

19980204.qrp v00_n991.qrs.980204

Date: Wed, 4 Feb 1998 19:25:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 991

QRP-L Digest 991

Topics covered in this issue include:

- 1) [2907] 624 kits
by dave_epps@juno.com
- 2) [2908] just-built sst
by dave_epps@juno.com
- 3) [2909] toroid measure
by dave_epps@juno.com
- 4) [2910] Re: N/T+ Log for 2/2/98 Update
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 5) [2911] Re: FOX: N/T Fox Fri Evening local time
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 6) [2912] re: filtered mail
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 7) [2913] Re: filtered mail
by "Ron Smith" <resmith@primenet.com>
- 8) [2914] SPARTAN SPRINT . . . OR LACK THEREOF
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 9) [2915] E-mail filter in Internet Explorer
by "Howard M Paysen" <hpaysen@sanasys.com>
- 10) [2916] Re: filtering QRP mail
by "John J. McDonough" <jjmcd@mdn.net>
- 11) [2917] re: filtered email
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 12) [2918] wtb: heath hw-9 "junker"
by Conrad <radman@best.com>
- 13) [2919] Re: Ten-Tec group purchase rages on!
by n4js@pobox.com (John Sielke)
- 14) [2920] Re: filtered email
by "Ron Smith" <resmith@primenet.com>
- 15) [2921] Re: 624 kits
by K5BDZ@aol.com
- 16) [2922] Re: Looking for Transistor BETA tester - kit or instructions
by K5BDZ@aol.com
- 17) [2923] Re: Code Practice Oscillators
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 18) [2924] Re: 624 kits
by "Jon P. Beckett" <jbeckett@illuminet.net>
- 19) [2925] Re: filtered mail

- by Dave Marling <dbm@klis.com>
- 20) [2926] SLQS 10th Anniversary Newsletter Offer
by David Gauding <david.gauding@bbs.galilei.com>
- 21) [2927] TEST - pls disregard
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 22) [2928] Smite XCVR KIT
by George Gingell <k3tks@u1.abs.net>
- 23) [2929] ZM-2 Tuner
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 24) [2930] More Gel Cell Batteries Available
by Tim English <tje@usol.com>
- 25) [2931] Herring Aid 5 Report
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 26) [2932] ATTENTION ALL
by Nicholas Jeria <jerian@candw.lc>
- 27) [2933] Re: novice nostalgia
by "M. Monninger" <markem@primenet.com>
- 28) [2934] Re: FYBO rig enclosure
by "Steve Hurst" <shurst@magiclink.com>
- 29) [2935] Transistor Beta Tester
by George Gingell <k3tks@u1.abs.net>
- 30) [2936] RE: Bright Idea Award #2 - snipping stubs
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 31) [2937] RE: Final Word on Balanced Tuners
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 32) [2938] Those dern HTML posts
by Paul Harden <pharden@aoc.nrao.edu>
- 33) [2939] TEST - Filter Test Do Not Read
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 34) [2940] FOX: Wednesday Night Fox Reminder de N9DD
by N9DD@aol.com
- 35) [2941] Brings tears to my eyes de AL7FS
by "Larsen, Jim" <JLarsen@alascom.att.com>
- 36) [2942] Re: Those dern HTML posts
by Stanley Wilson <microres@crl.com>
- 37) [2943] Re: PCB Etchant
by n3fel@juno.com (Howard D Rubin)
- 38) [2944] [Fwd: ATTENTION ALL]
by Nicholas Jeria <jerian@candw.lc>
- 39) [2945] The Tiny Tim, the Mobile Manual and the QRP-L
by nq2rp@juno.com (B/BAMS Club Station)
- 40) [2946] Re: Code Practice Oscillators
by "Ray Lowe" <wd5dhk@hotmail.com>
- 41) [2947] Re: Those dern HTML posts
by "Steve Hurst" <shurst@magiclink.com>
- 42) [2948] Re: [Fwd: ATTENTION ALL]
by Nicholas Jeria <jerian@candw.lc>
- 43) [2949] Re: TEST - Filter Test Do Not Read

- by "Ron Smith" <resmith@primenet.com>
- 44) [2950] Coherent CW
by Bill Jones <kd7s@psnw.com>
- 45) [2951] A couple of minor site updates
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 46) [2952] Novice Nostaglia Rigs
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 47) [2953] Re: Code Practice Oscillators
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 48) [2954] In the interest of reducing bandwidth
by John Evans - N0HJ <jaejans@codenet.net>
- 49) [2955]
by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 50) [2956] QRP Tech Resources
by Chuck Carpenter <w5usj@webwide.net>
- 51) [2957] New antenna magic
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 52) [2958] Dan's delivers
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 53) [2959] My Novice Nostalgia
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 54) [2960] HQRP: February Meeting
by Ed Manuel <n5em@flash.net>
- 55) [2961] Fastest QSL in the West
by Bcieslak@ra.rockwell.com
- 56) [2962] Low Pass filters?
by Ken Newman <n2cq@comten.com>
- 57) [2963] Power Outtage
by Sam <kc5tja@animeonline.ml.org>
- 58) [2964] Re: Low Pass filters?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 59) [2965] Re: Dead Men Walking!
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 60) [2966] How to get MILLIWATT on CD?
by Sam Billingsley <SBillingsley@usaninc.com>
- 61) [2967] FYBO - Last Minute Stuff
by Joe Gervais <vole@primenet.com>
- 62) [2968] ARS Sprint/ Floods.
by Ed Loranger <we6w@qsl.net>
- 63) [2969] Re: N/T+ Log for 2/2/98 Update
by Shepherd@aol.com
- 64) [2970] Re: toroid measure
by Leon Heller <leon@lfheller.demon.co.uk>
- 65) [2971] Re: Looking for Transistor BETA tester - kit or instructions
by Leon Heller <leon@lfheller.demon.co.uk>
- 66) [2972] Re: PCB Etchant
by Steven Weber <kd1jv@moose.ncia.net>
- 67) [2973] FYBO - What is it?

by Joe Gervais <vole@primenet.com>
68) [2974] CQrp Meeting (Saturday)
by SABorns@aol.com
69) [2975] RE: ARS Sprint/ Floods.
by "Rattray, Bruce" <Rattray@siast.sk.ca>
70) [2976] Re: Low Pass filters?
by "Wayne Barnhart" <wb7whi@triax.com>
71) [2977] Re: Brings tears to my eyes de AL7FS
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
72) [2978] Re: Dan's delivers
by chefsaul@juno.com
73) [2979] GQRP website - on the move.
by Tony Fishpool <g4wif@btinternet.com>
74) [2980] KnightSMiTe photographer?
by "Bob Kellogg" <ae4ic@nr.infi.net>
75) [2981] Need a Soldering Iron?
by "Bob Kellogg" <ae4ic@nr.infi.net>
76) [2982] Re: Brings tears to my eyes de AL7FS
by "Bob Edwards, W4ED" <w4ed@flash.net>
77) [2983] Re: Low Pass filters?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
78) [2984] Re: Need a Soldering Iron?
by "Michael Fletcher" <kl7ixi@mailcity.com>
79) [2985] FYBO '98
by wa5whn@juno.com
80) [2986] WinterFest '98
by Bill Crowley <bcrow@carte.net>
81) [2987] Test DO NOT READ!
by Jess_Gypin@coralsys.com (Jess Gypin)
82) [2988] Re: Test DO NOT READ!
by Jess_Gypin@coralsys.com (Jess Gypin)
83) [2989] DX Manager - Help HC5C
by Tim Ahrens <tahrens@inetport.com>
84) [2990] Sprint, FYBO, Foxes and Snow
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
85) [2991] Re: WinterFest '98
by "Robert P. Okas" <vintage@best.com>
86) [2992] Mixed Emotions for FYBO
by Ed Loranger <we6w@qsl.net>
87) [2993] FOX: N/T+ Fox Thurs night (local) NOGLM
by "Buck, Preston D" <BuckPD@corning.com>

Date: Tue, 3 Feb 1998 14:16:05 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2907] 624 kits

Message-ID: <19980203.142330.10062.2.dave_epps@juno.com>

Someone asked the other day about 624 kits.

I sent a request (and sase) for their kit catalog.

I rcvd a note back today that they are "No longer in business".

I thought it was nice of them to let me know. I wasn't around when they
were

in business but I bet they were courteous business people.

dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 3 Feb 1998 14:23:29 -0800
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2908] just-built sst
Message-ID: <19980203.142330.10062.3.dave_epps@juno.com>

Re my earlier post of 3 khz tuning.

I just changed the varactors. Wayne was kind enough to supply another one
with the kit.

I mounted it on the bottom of the board "easier" and it worked better
than

I expected. It lowered the vfo 10 khz on the bottom and 5 khz on the top
increasing

the tuning range greatly from before.

Am really happy with the little rig. The rcvr is far better than I
expected.

dave ab5pc fresno, ca

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 3 Feb 1998 12:15:03 -0800
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [2909] toroid measure
Message-ID: <19980203.142330.10062.0.dave_epps@juno.com>

Seems my new l-c-r meter won't measure "frequency specific ferrite" at the freqs I'm trying to use. Now will find info on how to build one that will.

Boy! Do I feel stupid. I bought a (disposable type) cigarette lighter to burn the enamel off of the ends of the toroid wires and I couldn't make it work. Luckily they have instructions underneath a little peel-off label that inform you about a little safety-catch that has to be pushed in and up to make it work.

dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 03 Feb 1998 19:24:04 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: Shephed@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2910] Re: N/T+ Log for 2/2/98 Update
Message-ID: <34D7B524.4CA7@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I listened for you but couldn't hear you on ground wave, I'll mtry again but...

--

73 de

KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Tue, 03 Feb 1998 19:20:25 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: n2mnn@spacegate.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2911] Re: FOX: N/T Fox Fri Evening local time
Message-ID: <34D7B449.3863@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey buddy,

I'll be there, wouldn't miss it for the world.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Tue, 03 Feb 1998 16:56:06 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-1@Lehigh.EDU>
Subject: [2912] re: filtered mail
Message-ID: <34D7BCA6.E3482E54@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

Regarding filtering the QRP mail. I have netscape 4.04. Is it possible to filter your email using this type of browser? Not sure. If yes, please let me know. Thanks.

Chuck ;-)

Date: Tue, 3 Feb 1998 18:11:37 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <csnyder@nextdim.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2913] Re: filtered mail
Message-ID: <001401bd3109\$f159c1e0\$4c22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bring up the Netscape Messenger Mail, click on Edit then on Mail Filters.
Click on New and fill in the blocks.

> Regarding filtering the QRP mail. I have netscape 4.04. Is it
>possible to filter your email using this type of browser? Not sure. If
>yes, please let me know. Thanks.
>
> Chuck ;-)

Date: Tue, 3 Feb 1998 19:22:22 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:QLF%mimi@magic.itg.ti.com" <QLF%mimi@magic.itg.ti.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,
 QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [2914] SPARTAN SPRINT . . . OR LACK THEREOF
Message-ID: <199802032014_MC2-31C7-918B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Sadly I had the same experience--er, lack of it :-(--here in Rochester, MN. Got on there from the very beginning and almost immediately worked a half dozen fellow QRPers. At first it seemed like it would be a busy evening. The QRN was sporadic and very loud...but the signals were also pretty good.

But by 0230 the contest was effectively over here. Listened for perhaps 45 minutes, and called frequent CQ's. QSYed a little, thinking there was a group somewhere than on 7040. No luck. Oh well.

Let's hope for better conditions the rest of the week, including the FYB0 this week. Good luck everyone, in the FOX hunts and FYB0.

72/73,
--Doc W.D. Lindsey/K0EVZ qrp-l 861
MWBC
519-16th Street SE
Rochester, MN 55904
507-289-5108 (eves)

Date: Tue, 3 Feb 1998 19:16:55 -0600
From: "Howard M Paysen" <hpaysen@sanasys.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [2915] E-mail filter in Internet Explorer
Message-ID: <E0xztTz-0000uC-00@sparrow.sanasys.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I subscribed to the list on Saturday night and had over 200 messages from the list by Monday night. It seemed a good idea to separate the QRP e-mail from the rest.

First you need to go to the "File" menu and go to "Folder" to create a new mail folder called "QRP".

All of the QRP-L messages I have received have been addressed "To: Low Power Amateur Radio Discussion", so I went to the "Inbox assistant" which is under "mail" in the menu at the top of Internet Explorer.

After you get to the Inbox assistant, you click on the "add" box and type "Low Power Amateur Radio Discussion" in the "To:" box. Then you go to the "Take the following action" box at the bottom and click on "Send to: the QRP folder".

Now all the QRP-L mail goes directly to the QRP folder while everything else stays in the Inbox for my inspection.

Howard N TXK
Fulton, IL

Date: Tue, 3 Feb 1998 20:19:55 -0500
From: "John J. McDonough" <jjmcd@mdn.net>
To: <qrp-l@Lehigh.EDU>
Subject: [2916] Re: filtering QRP mail
Message-ID: <199802040120.7131900@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

For those of you using the mail that comes with Internet Explorer 3.x, or using Microsoft Exchange as a mail client, M\$ calls the filtering feature 'Inbox Assistant'. Once you find it, it's relatively obvious how to make it work. (under 'Mail' in MS Internet Mail and under 'Tools' in Exchange).

73 de WB8RCR

Date: Tue, 03 Feb 1998 17:33:47 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: QRP <qrp-l@Lehigh.EDU>

Subject: [2917] re: filtered email
Message-ID: <34D7C57B.46E49062@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to everyone that responded to my dilemma on filtering email, but
Ron Smith gave me the answer I was seeking. THANKS RON!!!

Take Care "73"
Chuck ;-)

Date: Tue, 3 Feb 1998 17:48:19 -0800
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [2918] wtb: heath hw-9 "junker"
Message-ID: <01BD30CB.EBCCBE00@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Desperately seeking your old HW-9 that's nearly beyond salvation for =
some daring hw-9 modifications I'm working on. Nearly any condition will =
suffice. (Naturally, I'd consider a "good" one as well.)

Thanks for bandwidth,

72 -- Conrad -- nn6cw.

Date: Wed, 04 Feb 1998 02:30:13 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-1@Lehigh.EDU
Subject: [2919] Re: Ten-Tec group purchase rages on!
Message-ID: <34d7d257.20921914@mail.cyberenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 3 Feb 1998 12:48:32 -0500 (EST), you typed:

>For a list of well-performing, easy-to-build, well-documented kits that
>are marketed by Ten-Tec, check www.tentec.com. =20

Any body else unable to access the above? (Feb 3, 1998).

=20
/_\ /_ \ /_ \ /_ \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Tue, 3 Feb 1998 19:29:25 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <csnyder@nextdim.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2920] Re: filtered email
Message-ID: <002b01bd3115\$44e6e9e0\$4c22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glad to assist Chuck.

72

Ron

Date: Tue, 3 Feb 1998 21:22:36 EST
From: K5BDZ@aol.com
To: dave_epps@juno.com, qrp-1@Lehigh.EDU
Subject: [2921] Re: 624 kits
Message-ID: <da696a70.34d7d0ee@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

They were courteous..nice folks...once again over worked for little gain. I miss them.
Bill, K5BDZ

Date: Tue, 3 Feb 1998 21:21:05 EST
From: K5BDZ@aol.com
To: vkumaga@uswest.com, qrp-1@Lehigh.EDU
Subject: [2922] Re: Looking for Transistor BETA tester - kit or instructions
Message-ID: <652e33eb.34d7d094@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Vince
Many DMM's on the market now include a plug-in transistor beta tester on the front. Many of these are not expensive. I recently purchased one for about \$39
Hope this helps.
Bill, K5BDZ

Date: Tue, 3 Feb 1998 18:51:15 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <n2mnn@spacegate.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2923] Re: Code Practice Oscillators
Message-ID: <19980204025344.AAC17250@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I used that same basic oscillator as a CW keying monitor or a number of rigs which involved separate receiver/transmitter. Instead of BATTERY, I wired a 2-diode voltage doubler to provide power and connected the input of the doubler directly to the center connector of the coaxial output connector. RF sinewave voltage (AC) gets turned into pulsating DC which is adequate to power the 555-timer circuit. Only problem was the 555 puts out square waves (digital) which isn't nearly as smooth as sine wave (analog) audio. BUT IT DOES WORK, AND IF YOU'RE EVER HURTING FOR A MONITOR CIRCUIT, TRY IT!

>In case you missed it, here's part of the post from W2MY:
>The schematic is in "Now Your Talking".

>quantity	Description	RS Part #	Cost Each	Cost
>2	.01 uF disc cap	272-131	\$0.30	\$0.60
>1	220 uF 35V electro cap	272-1029	\$0.99	\$0.99
>2	10 kOhm res	271-1335	\$0.10	\$0.20
>1	100 kOhm res	271-1347	\$0.10	\$0.10
>1	47 Ohm res	271-1105	\$0.10	\$0.10
>1	LM555 timer IC	276-1723	\$1.19	\$1.19
>1	8 pin socket	276-1995	\$0.30	\$0.30
>1	micro switch	275-016	\$1.89	\$1.89

>72, Steve, W2MY

I WIRED MINE ON ONE OF THOSE RADIO SHACK 20-pin boards (2-come to a package and can be split in the middle). You can feed the audio output thru a small CAP to the headphone output (can also put it's own volume control on it) so that you have audio independent of the receiver.

Good luck!

73/72 de alan

Alan Kaul, W6RCL

Amateur Radio website: <http://home.att.net/~alan.kaul/w6rcl.html>

alan.kaul@worldnet.att.net

w6rcl@amsat.org

Date: Tue, 03 Feb 1998 21:51:44 -0500
 From: "Jon P. Beckett" <jbeckett@illuminet.net>
 To: dave_epps@juno.com
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [2924] Re: 624 kits
 Message-ID: <34D7D7BF.E167FA7D@illuminet.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Yes, they were. I have purchased many kits from "624" and they were always top notch.

We will miss them.

Jon

dave_epps@juno.com wrote:

> Someone asked the other day about 624 kits.

>

> I sent a request (and sase) for their kit catalog.
>
> I rcvd a note back today that they are "No longer in business".
>
> I thought it was nice of them to let me know. I wasn't around when they
> were
> in business but I bet they were courteous business people.
> dave ab5pc fresno, ca.
>
>
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at <http://www.juno.com>
> Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 03 Feb 1998 22:59:23 -0400
From: Dave Marling <dbm@klis.com>
To: csnyder@nextdim.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2925] Re: filtered mail
Message-ID: <34D7D98B.8B260FD4@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck and Michele Snyder wrote:

>
> Hi,
>
> Regarding filtering the QRP mail. I have netscape 4.04. Is it
> possible to filter your email using this type of browser? Not sure. If
> yes, please let me know. Thanks.

In NETSCAPE, click on Edit then on Mail Filters... Click on New and
fill in the blanks. Works fine on all those messages from people you
don't like (straight to the TRASH)!! Good luck.

73,
Dave
VE1VQ
--

Understand the problem before you attempt the solution.

Date: Tue, 03 Feb 1998 20:54:09 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [2926] SLQS 10th Anniversary Newsletter Offer
Message-ID: <1.5.4.32.19980204025409.009d7a94@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

The St. Louis QRP Society has a few extra copies of our 10th Anniversary Newsletter to sell. Not having raised dues for ten years we really can use the extra bucks! <g>

This special sixty-eight page edition of the "Peanut Whistle" (8.5" x 11" format) contains thirty-five original articles by SLQS members and our valued contributors. Some material has been reprinted in other QRP journals but most is unpublished and features lots of homebrew projects.

The anniversary edition is condensed from 120 consecutive monthly newsletters. It covers SLQS highlights as well as the progress of QRP and homebrew from 1987 to date.

To get your copy, send a \$10.00 check (please, no cash) and a completed mailing label to: MicroSolutions, Inc.,
P.O. Box 440034, St. Louis, MO 63144. We'll get a copy in the mail pronto, or return your check just as fast, when the newsletters run out.

It was quite a club project putting this anniversary issue together. I don't think you will be disappointed!

de Dave, NF0R nf0r@slacc.com (for the St. Louis QRP Society)

Date: Tue, 3 Feb 1998 19:12:24 -0800
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Cc: <cq-contest@contesting.com>
Subject: [2927] TEST - pls disregard

Message-ID: <19980204031340.AAA9701@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

t e s t

Alan Kaul, W6RCL
Amateur Radio website: <http://home.att.net/~alan.kaul/w6rcl.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Tue, 3 Feb 1998 22:35:56 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [2928] Smite XCVR KIT
Message-ID: <Pine.BSI.3.96.980203222843.15278A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

To: Luke Enriquez <lenriquez@pacific.simco.com>
"Luke Enriquez" <ecsclfe@lux.latrobe.edu.au>

Luke,

Both addresses failed, so I will post this to QRP-L and hope you read it here o.k.

Luke,

You can find more information about the Smite (SMD Version of Pixie II) on the Knightlite Club Web page <<http://www.waterw.com/~knights>> or by contacting one of these fine fellows.

Bob Kellogg <ae4ic@nr.infi.net> Bob is in charge of orders for the kits.

I am reasonably sure that the first batch have all been sold, but you should check with him to verify that fact. He can also tell you the details for ordering a kit and when they will be available.

Dave Johnson KnightLite QRP Club <klqrp@waterw.com> <WA4NID@amsat.org>

Dave is in charge of the club web page and can point you in the right direction for more information about the design. I think I read where he had just posted the detailed description of it on the web page.

I just got my two kits this past week. They are very small and quite nicely done. You might want to order several and share them with your locals. I should think you could get quite a few kits into one of those Global USPS Envelopes. About \$ 4.95 for the Small one and \$ 8.95 for the larger ones coming to the Pacific Rim Area from the USA.

GL es CUL on QRP-L

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Tue, 03 Feb 1998 20:26:06 -0800

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: qrp-l@Lehigh.EDU

Subject: [2929] ZM-2 Tuner

Message-ID: <3.0.1.32.19980203202606.006c4258@dpol.k12.ca.us>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I forgot to mention a couple of things about the NorCal meeting, and one of them was the NEAT, yes I am shouting, NEAT tuner that Roy Gregson at Emtech is selling. Dave Meacham had one and I love it. The size is perfect, it comes with all of the parts, and I ordered one today. The kit is \$50, and it contains the Dan Tayloe LED SWR indicator that was written up in QRPP. Roy's kits are first rate, and his service is right up there with the best of them. I highly recommend his kits.

Disclaimer: Roy is a friend of mine. We have never met in person, but have talked on the phone a couple of times and exchanged emails. I have no financial interest in Emtech, and I buy my kits and pay the same price as every one else. I am just a satisfied customer.

72, Doug, KI6DS

Date: Tue, 03 Feb 1998 23:21:33 -0500
From: Tim English <tje@usol.com>
To: qrp-1@Lehigh.EDU
Subject: [2930] More Gel Cell Batteries Available
Message-ID: <3.0.5.32.19980203232133.007a3c50@mail.usol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here is my latest inventory on used gel cell batteries with some new LOWER prices than in the past. First of all the used cells are from burglar/fire alarm systems used as backup power and are replaced every 3 - 5 years as preventive maintenance whether they are bad or not. All cells I sell I guarantee to be "up to snuff" and each has been load tested. The used cells should provide another 2 -3 years of solid usage with proper care and charging. The 6 and 7 AH cell measurements are: 6 inches long, 2 1/2 inches wide and 3 3/4 inches tall with 1/4" color coded spade lugs on the top. These cells are just perfect for powering QRP rigs. I have sold 100's of them over the last 2 years and only 2 have come back as not wanting to hold a charge which I promptly replaced.

Most are manufactured by Yuasa for Radionics INC but there are also some Interstates, Power Sonics, Yuasa and Rocket brands. Here is what I have on hand currently. All prices INCLUDE priority mail shipping.

4 used - 12VDC 6AH gel cells --- \$10 SHIPPED CONUS
4 used - 12VDC 7AH gel cells --- \$12 SHIPPED CONUS
1 used - 12VDC 4AH gel cell --- \$8 SHIPPED CONUS

I accept personal checks and money orders, NO credit cards.
If you want one email me quickly as they will go very fast and I will set one aside. If payment is not received within 10 days I will assume you have changed your mind and will make the cell(s) available to someone else.

--
72/73 and see you on QRP !
--
Tim, K8TJ

Date: Tue, 03 Feb 1998 20:38:24 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-1@Lehigh.EDU
Subject: [2931] Herring Aid 5 Report

Message-ID: <3.0.1.32.19980203203824.006c4258@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Herring Aid 5 portion of the Back to the Future project is just about finished. Glen Torr, VK1FB has breadboarded a version using modern up to date parts, and it works fine. Everything is available mail order from Mouser except for the Toroids which you can get from Dan's or Buckeye. The PC Board is layed out and has been checked, rechecked and I hope there are no mistakes. When I first layed out the boards I switched the orientation of the parts that connect to the transistors. Easily done when you look at the schematic orientation of a 2N2222A and lay out the board for a metal can version. Anyway, I caught it and redid the parts layout. The layout has been sent to Gary Diana who is going to make a prototype board and Brad Mitchell and I will build a prototype to check out the layout and see if it works ok. When we have the layout checked out and are sure that there are no bugs, I will send the artwork to Fred Reimers at FAR Circuits and he will handle the boards as a supplier. I will also make the files available as CirCad files and send them out to all who request them. Plus, Jerry Parker and George Heron will put them on the NorCal and NJ Web Pages. But, I do want to check them out first. Parts lists will be posted so that you can preorder your parts from Mouser.

I saw an original Herring Aid 5 done by Glenn Menard and it was neat to see. Glen told me that it was the first project that he ever built and he did not get it to work. Classic board produced by the fingernail polish etch resist method. This was living proof that you can get a board with that method, although I was never successful at it. Glen is going to keep the receiver in its original condition, but plans to build one of the new boards from FAR when it becomes available.

Ok, you are up to date with the latest info from the Back to the Future Project.

72, Doug, KI6DS

Date: Wed, 04 Feb 1998 00:40:17 -0500
From: Nicholas Jeria <jerian@candw.lc>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2932] ATTENTION ALL
Message-ID: <34D7FF41.6C0C8494@candw.lc>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----9CABFA4AF352FEA37754EF8A"

Date: Tue, 03 Feb 1998 21:42:58
From: "M. Monninger" <markem@primenet.com>
To: talljazz@teleport.com
Cc: qrp-1@Lehigh.EDU
Subject: [2933] Re: novice nostalgia
Message-ID: <3.0.5.32.19980203214258.0099b310@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:15 AM 2/3/98 -0800, you wrote:

>... I still
>have some parts from then, including some 'plug-in' resistors from a
>science/radio kit; they are mounted on yellow plastic rectangles, with
>little knobs on the bottom to mount on a peg board, and large posts that
>you can clip leads to-might have had special clips as well. Ring any bells?
>

I had one of those. It was kind of an electronics lab or trainer. It had a bunch of components mounted on yellow plastic bases. Mine had a tube (1T4? something like that). The base was a piece of pegboard about 1 ft square. It came with a bunch of paper overlays that had the component positions and wires printed on it. You layed the overlay over the pegboard and placed the components in the places indicated. The little knobs in the bases fit thru the paper overlay into holes in the pegboard. It also had a bunch of wires with special clips that clipped onto the posts, following the paths printed on the paper overlay. It had a dozen or so different things you could put together, the niftiest was a shortwave receiver, re-gen, of course. It used a D cell for the heater supply and a 45v battery for the "HV" supply. Had a set of headphones, too. It musta been about 1959 or 60. I think that maybe is was made by the same outfit that made the Erector Set (they were fun, too). Wow...that brings back some memories...

73... Mark AA7TA

Date: Tue, 3 Feb 1998 21:52:55 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <mwattcpa@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2934] Re: FYBO rig enclosure
Message-ID: <199802040451.XAA45984@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

From: Marty Watt <mwattcpa@earthlink.net>

-----snup-----snipski-----el snipo-----

The
mints are better than Altoids

Surly you jest sire ! Off with ye head , ye anti-Altoid droid !!! Me
thinks King George III is surly turning over in his grave (Long live the
King !!) . Avast , I have searched the mighty United Kingdom high and low
for a better mint . Finding no match in taste and quality. Why , me
faithful compainion "Spike, the dragon slayer, killer dog" even likes those
"Curiously Strong *Mints" (freshest dog breath in town !) . :-) :-)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Tue, 3 Feb 1998 23:55:29 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [2935] Transistor Beta Tester
Message-ID: <Pine.BSI.3.96.980203231431.16014C-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some one asked about a simple Transistor Beta Tester for their DVM.

Check on page 27.26 of the 1998 ARRL Handbook.

I am more partial to the dedicated Transistor Testers of a few years
back. The 1982 ARRL Handbook page 16-28 Fig 57. shows a nice GP

Transistor Testor.

Another I really liked was a small bit of PCB with two banana jacks a transistor socket a toggle switch and a single bias resistor. It might be from Hints & Kinks, It was made to plug right in to the Triplet 630 VOM in place of its leads. Quick and Dirty, but handy and Dandy. I used 3/32 epoxy pcb scrap 1 1/4" X 2 1/8" a standard three prong Transistor Socket, plus a 4 pin piece of machined dip socket in parallel with it to allow easy Diode Testing as well. The 4 pin Dip is cut from a machined pin IC socket. The pins are E,B,C,C from left to right from the front. The resistor appears to be 4700 ohms and the pb switch is a spdt type. the resistor is wired from the base to the common terminal of the pb the normal connector terminal goes to the collector and meter + terminal, the normally open terminal of the switch goes to the emitter and - terminal of the meter. Diodes are tested by inserting the K in the E jack and the A in the C jack. The tester module is of course plugged into the meter test jacks and the meter is used on the X 100 or X 1000 ohms ranges. the meter polarity switch is set appropriately for PNP or NPN.

Verbal schematics are not a strong point, but ASCII is worse. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Wed, 4 Feb 1998 00:44:39 -0600 (CST)

From: Adrian Weiss <aweiss@sunflowr.usd.edu>

To: QRP-L@fidoi.cc.lehigh.EDU

Subject: [2936] RE: Bright Idea Award #2 - snipping stubs

Message-ID: <Pine.SOL.3.94.980204004340.28415A-100000@sunburst>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Goes to W5HIR -- wrap some aluminum foil around the atub and slide it until its right, then cut the stub to that length.

> </HTML>

Well, you get the drift. You've seen these posts too.

PLEASE make sure your HTML magic-juju machine is turned off when posting to QRP-L or sending email. It is just too tedious to plow through to read the post, and I doubt few make the effort, so they go unread. And we really do want to know what you have to say.

OK, I got called into work, it's late, Clinton just left town (Albuquerque) and I'm cranky. But I can't be the only one who feels this way.

FONT 73> <"72,"><SIZE=+1><"Paul,NA5N"><HMTL SUCKS> :-)

Date: Wed, 4 Feb 1998 02:00:45 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-l@Lehigh.EDU
Subject: [2939] TEST - Filter Test Do Not Read
Message-ID: <v03007800b0fd7bcef8d9@[204.119.15.57]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You just had to go and read it didn't you !!!

Take care and have fun...

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhopskins/akqrp>

***** ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 *****
See AKQRP Web Site for Details

Date: Wed, 4 Feb 1998 06:16:51 EST
From: N9DD@aol.com
To: QRP-L@Lehigh.EDU
Subject: [2940] FOX: Wednesday Night Fox Reminder de N9DD

Message-ID: <7689d802.34d84e25@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just a reminder to all you Fox hunters... FOX TONIGHT!

N9DD 7.042 MHz 0100-0300 UTC

Be there or be pelt-less.

Tom N9DD
QRP-L #32
South Bend, IN

Date: Wed, 4 Feb 1998 02:29:55 -0900
From: "Larsen, Jim" <JLarsen@alascom.att.com>
To: qrp-l@Lehigh.EDU
Subject: [2941] Brings tears to my eyes de AL7FS
Message-ID: <D8F0A14EBB6CD11189D4006097E5893AD6DC@alascomexca.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain

Greetings from Atlanta.

Signals on 80 mtrs!!!! What a treat. I had a nice QSO up on 3686 with Roanoke VA 599 both ways. I can tell a difference with my 85 foot wire outside this time. You folks have no idea how good you have it down here. If 40 mtrs folds up, you can still operate. Neat!

I had dinner tonight with K2ZPS, Steve and had a great time. He had along his NN1G 20 mtr SSB rig and it sounded great on his hustler antenna and with the boom mike and head set combo. Thanks, Steve.

So far, Thursday night looks like dinner with W4ED and K4ZD. I can hardly wait.

BTW, I am not where I said I would be. Steve found me anyway. I am at the Residence Inn Atlanta - Lenox Park off Roxboro Road north off exit 31 on I85. Phone is 404-467-1660.

I had forgotten how fun 80 mtrs could be. Enjoy it. I am.

73, Jim, AL7FS

Date: Wed, 4 Feb 1998 03:59:43 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2942] Re: Those dern HTML posts
Message-ID: <Pine.SUN.3.91.980204035704.21645A-100000@crl7.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anytime I see a HTML page I hit delete key. I consider them very discourteous when sent as e-mail. They make fine web pages, but like sending with your left foot as e-mail. de stan ak0b

Date: Wed, 4 Feb 1998 07:30:21 -0500
From: n3fel@juno.com (Howard D Rubin)
To: k3tks@u1.abs.net
Cc: QRP-L@Lehigh.EDU
Subject: [2943] Re: PCB Etchant
Message-ID: <19980204.073022.3302.0.n3fel@juno.com>

Sir George:

Thanks for the info.

I'm beginning to evaluate the FECL3 as the costly item associated with PWB manufacture. The transfer paper is another. In the case of the latter, only a small portion need be used for *each* board. As for the etchant, could we use only a small portion for the board, too? I'm wondering if there is a way to build an etching tank that uses a *minimum* amount of the solution. Either we do it that way, or find a method to extract the dissolved copper to purify the FECL3 for the next application.

Any ideas? Regards, Howard Rubin, N3FEL

"You can find Pre mixed liquid ferric chloride for etching copper pcb's at most Radio Shack stores in pint or Quart plastic containers."

"I was also at the local Electronics Plus (NTE Dealer) in beltsville today

and saw that they have a fresh supply in stock. Seems like it was \$ 6-8 per bottle. I can check if needed. Their telephone number is 1-800-591-9009. their address is 10302 Southard Drive, Beltsville, MD 20705."

eof

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 04 Feb 1998 09:47:21 -0500
From: Nicholas Jeria <jerian@candw.lc>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2944] [Fwd: ATTENTION ALL]
Message-ID: <34D87F77.F2C63DE@candw.lc>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----70569B34DA161AD0425E99F4"

This is a multi-part message in MIME format.
-----70569B34DA161AD0425E99F4
Content-Type: multipart/alternative;
boundary="-----2245C1A5E575578D6FB6B8AE"

-----2245C1A5E575578D6FB6B8AE
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please see my new E-mail address below. Please forward all messages to the below e-mail address.

j_jeria@yahoo.com

-----2245C1A5E575578D6FB6B8AE
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
Please see my new E-mail address below. Please forward all messages to the below e-mail address.
<CENTER>j_jeria@yahoo.com</

B></CENTER>

<CENTER> </CENTER>
</HTML>

-----2245C1A5E575578D6FB6B8AE--

-----70569B34DA161AD0425E99F4

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Received: from [128.180.1.4] by zeus.candw.lc (NTMail 3.03.0014/4c.adzz) with
ESMTP id jerian for <jerian@candw.lc>; Wed, 4 Feb 1998 00:36:49 -0300

Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<12893-65100>; Tue, 3 Feb 1998 23:41:19 -0500

Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by fidoii.cc.Lehigh.EDU with
ESMTP id <12893-65100>; Tue, 3 Feb 1998 23:41:04 -0500

Received: from zeus.candw.lc (zeus.candw.lc [206.48.60.10])
by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with SMTP id XAA119414
for <qrp-l@Lehigh.EDU>; Tue, 3 Feb 1998 23:40:58 -0500

Received: from [206.48.60.176] by zeus.candw.lc (NTMail 3.03.0014/4c.adzz) with
ESMTP id ca104002 for <qrp-l@Lehigh.EDU>; Wed, 4 Feb 1998 00:35:57 -0300

Message-Id: <34D7FF41.6C0C8494@candw.lc>

Date: Wed, 04 Feb 1998 00:40:17 -0500

Reply-To: jerian@candw.lc

Sender: owner-qrp-l@Lehigh.EDU

Precedence: bulk

From: Nicholas Jeria <jerian@candw.lc>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: ATTENTION ALL

MIME-Version: 1.0

Content-Type: multipart/alternative;

boundary="-----9CABFA4AF352FEA37754EF8A"

X-To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

X-Mailer: Mozilla 4.04 [en] (Win95; I)

X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

-----9CABFA4AF352FEA37754EF8A

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Guys,

Please send all e-mail to my new address below:

j_jeria@yahoo.com.

John

Date: Wed, 04 Feb 1998 09:02:52 EST
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-l@Lehigh.EDU
Subject: [2945] The Tiny Tim, the Mobile Manual and the QRP-L

Message-ID: <19980203.090232.4711.2.nq2rp@juno.com>

I shouldn't be surprised at the responses on the Tiny Tim, but WOW!

I have had 3 copies of the ARRL Mobile Manual offered to me and one is being mailed today (Thanks Larry!). I also had my memory refreshed on the tube line-up in the rig. The TX was a push-pull triode TX, but it used a 1J6G instead of the 3A4. The 1J6G is an octal-based duall triode, and is rated for 2.5 watts out. It is electrically identical to a 19, which is a 6-pin tube from the late 20's and the 30's. Interesting what these old Handbooks have for info...

The level of interest is almost up to the "PROJECT" level. I think I will check out my stock of battery tubes this afternoon...

Now, can I use a DSP on a superregennie???

72/73, Keith, WB2VUO at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 04 Feb 1998 06:02:55 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [2946] Re: Code Practice Oscillators
Message-ID: <19980204140255.14388.qmail@hotmail.com>
Content-Type: text/plain

> Only problem was the 555 puts out
> square waves (digital) which isn't nearly as smooth as
sine wave (analog) audio.

A simple solution to clean up the audio is to feed it into
a low pass filter. it does not need to be an elaborate
filter to clean up the audio.

You could feed it into a point in the rig's audio

chain before the audio filter(if used) as long as the
oscillator frequency is within the passband of the filter.

72

Ray Lowe
WD5DHK
Lancaster,Tx (near Dallas)

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 4 Feb 1998 07:29:29 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [2947] Re: Those dern HTML posts
Message-ID: <199802041427.JAA66982@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

-----Paul Harden wrote (in part)-----
>
> OK, I got called into work, it's late, Clinton just left town
(Albuquerque)
> and I'm cranky. But I can't be the only one who feels this way.
>
> FONT 73> <"72,"><SIZE=+1><"Paul,NA5N"><HTML SUCKS> -)

Paul,

Are you cranky because Clinton left ? Or because he was there ? !!!!!

: -)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>

shurst@magiclink.com

Date: Wed, 04 Feb 1998 10:38:53 -0500
From: Nicholas Jeria <jerian@candw.lc>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2948] Re: [Fwd: ATTENTION ALL]
Message-ID: <34D88B8D.DCDD2AAE@candw.lc>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nicholas Jeria wrote:

> Please see my new E-mail address below. Please forward all messages
> to the below e-mail address.
> j_jeria@yahoo.com
>
> -----
>
> Subject: ATTENTION ALL
> Date: Wed, 04 Feb 1998 00:40:17 -0500
> From: Nicholas Jeria <jerian@candw.lc>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>
> Hi Guys,
> Please send all e-mail to my new address below:
>
> j_jeria@yahoo.com.
>
> Please do not e-mail me at this address jerian@candw.lc as this server
> is now permanently down. Thanks
>
>
> John
>

Date: Wed, 4 Feb 1998 07:46:52 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <kl7jaf@polarnet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [2949] Re: TEST - Filter Test Do Not Read
Message-ID: <009e01bd317d\$467b4a40\$4c22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>You just had to go and read it didn't you !!!

Yes, and it put a smile on my face. What a way to start the day -- before coffee even!

72

Ron Smith

Amateur Radio Callsign: KD7VD
Boise, Idaho
E-mail: resmith@primenet.com
QRP-L #1291...ARCI #9580...NorCal #????

Date: Wed, 04 Feb 1998 07:02:48 -0800
From: Bill Jones <kd7s@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [2950] Coherent CW
Message-ID: <34D88318.11197806@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

If you have had hands-on experience using coherent CW, and specifically PCW, I would enjoy hearing from you.

=====
Bill Jones - KD7S
Sanger, California

=====

Date: Wed, 4 Feb 1998 10:02:12 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [2951] A couple of minor site updates
Message-ID: <Pine.SOL.3.94.980204095725.13212B-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have placed a slightly expanded version of the note on "Don't Be Phased by Phasing," which appeared in the January, 98, QQ, at the site. It is not a how-to on phasing lines or networks, but a background note on how the concept of phasing (referring to the relative magnitude and phase of current on antenna elements) is relevant to all antennas.

I have also added to the notes on Sources of NEC a link to the home page of Professor Andrzej Karwowski, who makes available at no charge a DOS-based version of MOMIC, a Method of Moments Interactive Code. The program can be downloaded from a link from Prof. Karwowski's home page.

I hope these items prove useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/		/	(FAX) (423) 974-3509
37938-4443 USA	/	\	\	\					cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html									

Date: Wed, 4 Feb 1998 09:20:53 -0600
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>

Subject: [2952] Novice Nostalgia Rigs
Message-ID: <21B46CBD022AD1118F0500805F15A068450921@STPMSX05.stp.guidant.com>
MIME-Version: 1.0
Content-Type: multipart/mixed;
 boundary="----=_NextPart_000_01BD314E.3BCFDBD0"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

-----=_NextPart_000_01BD314E.3BCFDBD0
Content-Type: text/plain

Greetings,

I notice the same comment in many of the novice nostalgia posts, "boy I wish I had that rig again.." Well, you can.

I do and I got them for the same reason - there just as much fun to operate today (if not more) as they were when you used them the first time!

I have a boatanchor station consisting of a Johnson Viking Valiant transmitter and a National NC300 receiver. I use them every week on 80 cw. Honest to goodness, the radio excitement is back! I get as much enjoyment from using that equipment as I do making the cw contact. I also have recollected my novice station, a Knight T-60 and a National NC-173.

I recently acquired an Ameco AC-1 transmitter from the early 1960's, a crystal controlled transmitter which runs 15 watts input I think, and around 5 or 6 watts output. I do not have it on the air yet BUT I can't wait to try it out on 40 meters with a regenerative receiver project I am building (two tubes, 80/40 meters). The radio excitement continues. I will be working you on 40 cw qrp with that rig!

Next time you go to a hamfest, look for them. Or just start going to hamfests to look for them. Check into swap nets on 75 meters or 2 meters. Or just ask around. You can subscribe to magazines devoted to old time tube ham radios such as Electric Radio, my favorite magazine!! I can hardly wait the the next issue to arrive!

The radios are out there. They may not be in such pristine shape as when you used them, but then neither are you, and you are still doing ok. So if you really want that old radio back, go find it and put it on the air. Definately put it on the air! Those radios are meant to be used, not stuck on a shelf to collect dust.

Remember, "Real radios glow in the dark"

Electric Radio
14643 County Road G
Cortez CO 81321-9575
(970)564-9185

72,

```
-----=_NextPart_000_01BD314E.3BCFDBD0
Content-Type: application/ms-tnef
Content-Transfer-Encoding: base64
```

eJ8+IgwPAQaQCAAEAAAAAABAAEAAQeQBgAIAAAA5AQAAAAAADoAAEIgAcAGAAAAEIQT5NaWny
b3NvZnQgTWfPbC50b3RlADEIAQWAAwA0AAAAAzgcCAAQCAQUADUAAwAwAQEGgAMADgAAAM4HAgAE
AAkAFAA5AAMANAEBYABACEAAABGRDFEMzBGRURDOUNEMTExOEYwQzAwQTAYNDYyMEY5QQBHBwEE
gAEAFgAAAE5vdm1jZSB0b3N0YWdsawEgUm1ncwDbBwENGQAQAAGAAAAIAAGABA5AGAKQLAAAtAAAA
AwADgAggBgAAAAAAwAAAAAAAEYAAAAAUoUAAHQQAAAEAAWACCAGAAAAAADAAAAAAAAARgAAAABU
hQAAAQAAAAUAAAA4LjAyAAAAAMABIAIIAYAAAAAMAAAAAABGAAAAAAGFAAAAAAACwABgAgg
BgAAAAAAwAAAAAAAEYAAAAAA4UAAAAAALAAaACCAGAAAAAADAAAAAAAAARgAAAAA0hQAAAAA
AAMAAoAIIAYAAAAAMAAAAAABGAAAAABCFAAAAAAAaAwAHgAggBgAAAAAAwAAAAAAAEYAAAA
EYUAAAAAADAAiACCAGAAAAAADAAAAAAAAARgAAAAAYhQAAAAAAB4ACYAIIAYAAAAAMAAAAA
AABGAAAAADaFAAABAAAAAQAAAAAAAEAAqACCAGAAAAAADAAAAAAAAARgAAAAA3hQAAAQAAAAEA
AAAAAAAHHgALgAggBgAAAAAAwAAAAAAAEYAAAAAOIUAAAEAAAAABAAAAAIIBCRABAAAAYgYA
AF4GAABoCQAATFpGdbQscaQDAaOAcMnWZzEyNdIyAPszNgHoIAKkA+MJAjBjaArAc2V0MJYgBxMC
gH0KgXVjAFCLCwMLYG40EDAzMwumFCBHCdF0C4BncyYHCqIKhAqASSBubxPwIGN1IHRoFYBzYbUH
gCAFoG0HgAiWIAuAwIADgXkgb2YVvxUwlnYVYhUwcwGqBgcHMMwgcBgHFDAGIgbgFxBbFRAD8WgZ
YRDgZBWRYUMFQAUQZyBhZwtXlGAuIiAgV2VsbF0ZAHkIYBYgAHAuFFxk2m8awG4aIBUQZxVAFZi8
bSACEAXAFacJcGFzGQIgIC0Vkg1wIGp1NxxgwGsAEIG0SEbNAZnXlA6B0HUBvcASQGmAVgfUEcGEX
ECgGkBUiFtAFsFx1KSBSFaEXEHcf0nd/FbADoBvSICAjGB30FaJm7mkrAB3hB3EhG1AK4xSY/RDg
dhWAGJAG4BpgAHAQ0P8FsRgxE/AfYQWgAIEYMBQBByxcigJBKb2gAgB9hVnRpaykiVgdABzAwgXTz
IYAAG1pAkAEkBT1TGCJTihTB0AHsEMzMBFayw1wFXBpJzByLhtQFRcbJHEd9GUtgSNyZwsXIKUD
oDgRQGN3LbFIAiD/B5Ad4R1AHcAEcDARGPEVos0hgGQocC6AeGMrgB4g6xZzBCBiANBrJfEdoREg
+yBXCfBgQUAWYwNSJGEpIvEaQ2VxdQUgFmMgYR0TPwDAK1MVoi+gKKIBKGN0vy2zB0AfUCcELTEG
8GwFkPshoBogbRcQf6UoNRkAGJCSSwMAZ2gFQFQtD0DBK99DLTE3MxxNLTl9AjBsFxAA0DwxCXEd
URFQ/weABaARUDzRKxs0oxWiHzDScj5xMTkPQCcY8RiQ/QUAeRgyN5MDYDLBGiErOTcj4A3gGcBy
IPAEIDE1zxmAGmAY4BahcHUFQBUQ+xWgC4Br0tEr8gNgIPAAIntFEAWxNkU1CGB0RbEts/8dMSJy

JxMrgC8yFaILcAXAYnKzUUJVVVC3CHBEn/wVARTBJcSEhKyAXEElyRcH9H2E0EUAHgCuhBCAD8BWg
/ydRCXAzQDAQIYEtcS0nGKBdA2BqQWE4Mh4wYjXAbCMxkCkxKHR3S8F1Y1cHkKbKAL3AvTMcpLbFU
3zFPFoE3oguAC1BzLbMD8P8bkCdWI8EFsCpTG9Jm1Ddx2HFycE1UGkYhFFoHwH54JZQbwx3AIRIY
kBDgbW5mMCEZAAkAby8gH1Vt/S2wTwXAIBMYMQAgHbE1E584k1mzIyEdQFotIEMVs08y0BahISED
4GFwCDAQR9LdA6A3RRBM9QWxMkz1LbHfWxYfQC8gRsQtsVkb5BXQv1DwBPJU0SEhAMAA4HoLgPsh
kQEAdhVAJJiHMAwWHR/U0JZg1KEBCBjECCxIGFFez1SBRBjB/AxghkA0cFm7ycgBbAyAWPXITLz
YtIQ4f5kPnFLZBwxF2NYQgQBC1D9WTNyBRANMCXxFFpSVwQg/wrAFYBMUH+zUiQXEADA0dL/BUBU
0RaxZsNPMcjzFcEQ4PchYCBSI+9tGQBQAB3jA6D/MBBNcSuyH+Eb0UZkG9JuQq8pAVShHTApI2st
sVMdQP8iQRvSHyEbKgpyKvIaUmUy/1KUMrIZAFkRJVAAdcU1xHWL3RBJJey2xRAEQC4AhkT5x/3o/
JfFSUBggbbbsHgCrjeMH/FYAkchkaInIYMBIQLyMYkP8ZsBuAF0EdQDk1HSAgIRxL/1IyIQbQBJAZ
ABkQgqAsof1mVwCJAAfgFrEVoIHwVSD+IhRbdtRuQ16hH9EYMH9S/x/DMoEVomdMY9cWoR5RAMAd
KGI6FFRnTBRUMTQ27DQzXjBG4XQXEAgAGhFORxRUCFAAIGV6XjBPAS9gMTMyMS05NQnfWBRUKDk3
Mck184wgjoAx0I7FJpsVMHlizeyBBzGG1xaiRVI4FB4w+wORFnFoJHNjF1smEOEpIt+JqRxLFFQB
wBRLUwWgAkDBG2BB0VdGQXZxC3HRBUBQYXUDIE0LgAuQdxRjBPCYkS4DUAnggvFn3EBnNcAh8AIw
LhYxFFSAQVJSTC1MTQMwIQGRIFFSUBFQUkM1FRAjAcA50RkATk+ZncBBTJ3wQcA3NG01PxZxBZAR
UR3ALJBFwTUwCZ5BT0hSPOAtABKANhw5JwSQ1m4LMRRyEdEAAaNwAAALAAIAAAQAAAB4AcAABAAAA
FgAAAE5vdm1jZSB0b3N0YwdsawEgUm1ncwAAAAIBcQABAAAAFgAAAAAG9MYB7JXDxnt2dPRHRsJ8A
gF8BGZEAAEA0QB0k1Z7gDG9AQMA8T8JBAAAHgAxQAEAAAAIAAAAAUUMwMTg3MAADABpAAAAAB4A
MEABAAAAACAAAAFFDMDE4NzAAAaAZQAAAAAADAP0/5AQAAAMAjgAAAAAAAwA2AAAAAADAIaQ////
/wIBRwABAAAAANAAGM9VVM7YT1NQ0k7cD1HvU1EQU5U02w9U1RQTVNYMDU+OTgmJJA0MTUyMDUz
Wi0yODkwNgACAfk/AQAAAEKAAAAAAAAA3KdAyMBCEBq0uQgAKy/hggEAAAAAAAAAL089R0RUL09V
PU1JTk5FU09UQS9DTj1SRUNJUE1FT1RTL0NOPVFDMDDE4NzAAAAAAHgD4PwEAAAAWAAAAARnJlZWJl
cmcsIFNjb3R0IChTVFApAAAAHgA4QAEAAAAIAAAAAUUMwMTg3MAACAfs/AQAAAEKAAAAAAAAA3KdA
yMBCEBq0uQgAKy/hggEAAAAAAAAAL089R0RUL09VPU1JTk5FU09UQS9DTj1SRUNJUE1FT1RTL0NO
PVFDMDDE4NzAAAAAAHgD6PwEAAAAWAAAAARnJlZWJlcmcsIFNjb3R0IChTVFApAAAAHgA5QAEAAAAI
AAAAUUMwMTg3MABAAAcw5DKHCn4xvQFAAAgWYmW5foAxvQEeAD0AAQAAAAEAAAAAAAAAHgAdDgEA
AAAAAAATm92aWNlIE5vc3RhZ2xpYSBSaWdzAAAAHgA1EAEAAABCAAAAPDIxQjQ2Q0JEMDIyQUQx
MTE4RjA1MDA4MDVGMTVBMDY4NDUwOTIxQFNUUE1TWDA1LnN0cC5ndWlkYW50LmNvbT4AAAAALACKA
AAAAAAAsAIwAAAAAAAwAGEHZQaLsDAAcQfgYAAAMAEBAAAAAAAwAREAAAAAAeAAgQAQAAAGUAAABH
UKVFVE10R1MsSU5PVE1DRVRIRVNBTUVD01NRU5USU5NQ5ZT0ZUSEVOT1ZJQ0VOT1NUQUxHSUFQ
T1NUUywiQk9ZSVdJU0hJSEFEVEhBVfJJR0FHQU10IldFTEwsWU9VQ0FOAAAAAIBfwABAAAAQgAA
ADwyMUI0NkNCRDAyMkFEMTEwOEYwNTAwODA1RjE1QTA20DQ1MDkyMUBTVFBNU1gwNS5zdHAuZ3Vp
ZGFudC5jb20+AAAAF00=

----- =_NextPart_000_01BD314E.3BCFDBD0--

Date: Wed, 4 Feb 1998 10:20:36 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Ray Lowe <wd5dhk@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2953] Re: Code Practice Oscillators
Message-ID: <Pine.SOL.3.94.980204101746.13212D-100000@moe>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 4 Feb 1998, Ray Lowe wrote:

>
> > Only problem was the 555 puts out
> > square waves (digital) which isn't nearly as smooth as
> > sine wave (analog) audio.
>
> A simple solution to clean up the audio is to feed it into
> a low pass filter. it does not need to be an elaborate
> filter to clean up the audio.
> You could feed it into a point in the rig's audio
> chain before the audio filter(if used) as long as the
> oscillator frequency is within the passband of the filter.
> 72
> Ray Lowe
> WD5DHK
> Lancaster,Tx (near Dallas)

An added note: you may not want to make the low pass filter cut off either sharply or too close to the oscillator frequency. Many folks find a relatively pure sine wave to be a headache producer, whereas just a little harmonic content can make the tone somewhat more pleasing for longer periods of time. Personally, I find that a triangle wave shape is fairly easy on my ears, but a little experimentation with whatever filter design is used will yield a tone that is right for you.

-73-

LB, W4RNL

Date: Wed, 04 Feb 1998 08:32:26 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@Lehigh.EDU
Subject: [2954] In the interest of reducing bandwidth
Message-ID: <34D88A0A.763F3FE@codenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

WARNING, CAUTION, DANGER, AND BEWARE!
Gullibility Virus Spreading over the Internet

WASHINGTON, D.C.--The Institute for the Investigation of Irregular Internet Phenomena announced today that many Internet users are becoming infected by a new virus that causes them to believe without question every groundless story, legend, and dire warning that shows up in their in box or on their browser.

The Gullibility Virus, as it is called, apparently makes people believe and forward copies of silly hoaxes relating to cookie recipes, email viruses, taxes on modems, and get-rich-quick schemes. Symptoms include the following:

Willingness to believe improbable stories without thinking; the urge to forward multiple copies of such stories to others; a lack of desire to take three minutes to check to see if a story is true. Seek help immediately at:

Symantec Anti Virus Research Center --
<http://www.symantec.com/avcenter/index.html>

Dr. Solomons Hoax Page --
<http://www.drsolomon.com/vircen/vanalyse/va005.html>

The Urban Legends Web Site --
<http://www.urbanlegends.com>

72 - john - n0hj

John A. Evans	Chief Systems Administrator
Office: (719) 528-1800 x164	Titan Software Systems
Fax: (719) 528-1888	1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com	Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Wed, 04 Feb 1998 09:32:55 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Cc: "'Mike Gipe-K1MG-'" <mgipe@reliablemeters.com>

Message-ID: <ABB04875E11AD01191A40000F83092BE83252B@STONE>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: 7BIT

...picture this...an absolutely clean, clear, pure, panoramic blue sky...

...the bottom of this picture is filled with oh-so-soft, oh-so-white clouds...

...picture an off-white styrofoam gate with an old wise man complete with

bald head, flowing white gown and a long white beard...he is approached

by a man with black hair, smart, trimmed moustache and glasses...

...the old wise man asks the newcomer his name...

...the newcomer says "Marshall Emm."

...the old wise man checks his clipboard...shakes his head from side to side..."I'm sorry, that's not a correct response sir. Let me check further."

...the newcomer says "Well I am Marshall Emm and I died."

..."hmmmmmm.....I'm checking back.....are you perhaps Marshall Exp?...no, that was long ago... Marshall Island?...hmm..no....."

...newcomer shakes his head from side to side...

..."Well Marshall Emm, having checked all records, I conclude that you're

not supposed to be here and therefore, must go back. This happens once in

a while so I'd like to give you a little something to mark the occasion. This

is our 950 mW cell phone, Model ZM-2. When I see you again Marshall, please bring the ZM-2 with you. Give my regards to Sammy and have a nice life!"

....swwiisssssshhhhhhh.....ppoooooof....gone....

...a second wise old man approaches the first wise old man....

..."Morning Peter...ready for brunch?"

72 - the Scribe (with a bad head cold at 3:38 a.m.)

Date: Wed, 04 Feb 1998 09:39:00 -0600
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [2956] QRP Tech Resources
Message-ID: <3.0.1.32.19980204093900.00688768@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All,

With my new-found enthusiasm for QRP operation, I started reviewing my QRP library. For anyone who is just starting, wants to "roll your own" rigs, or just learn most anything about QRP operation, I'd recommend two books. They are:

"The Joy of QRP -- Strategy for Success"
Adrian Weiss, W0RSP
Milliwatt Books, 526 N. Dakota St., Vermillion SD 57069 (\$23.00)

"QRP Notebook"
Doug DeMaw, W1FB
ARRL (\$10.00)

The books I have are from 1985 and 1986. There are updated and current version of both available now. I found that reading the "QRP Notebook" by the late Doug DeMaw provided an understanding of many circuits in kits I'm interested in. A couple of other available books are by Ade Weiss ("History of QRP") and the ARRL ("QRP Power") neither of which I am familiar with. Other resources include "The ARRL Handbook", back issues of QST and CQ, and many of the various QRP club publications that are often mentioned in QRP-L messages.

72/73 -- Chuck, W5USJ
Rains County (pop 6900), TX - EM22cv
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Wed, 04 Feb 1998 09:49:55 -0600
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [2957] New antenna magic
Message-ID: <34D88E1B.6F6C@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hey guys,

I tried out a new 135 center fed dipole (450 ohm ladder line) up about 30 feet last night. Got inspired after reading L.B. Cebik's articles about it (in CQC Lowdown, I think). I ran it east-west so I could get out to the north.

Well, I heard NOEK (Ed) calling CQ and he came back on my first call. Only got a 359 with 2 watts out of MXM-40, but hey, getting North Dakota on the first call with a new antenna must involve some kind of magic. It also made me remember that my 2nd call on my 20 meter mini-yagi was Hawaii. Let's see if I put a new antenna every week for a year, I could get QRP-WAS :-). Must be that bright, shiny copper, huh?

Let's see, for my next antenna I've gotta convince my neighbor across the street that his really tall tree would be a great anchor for a 40 meter double extended zepp wire beam. Should be good for Alaska don't you think?

There's more to the story. Ed lost me in the QSB after the 3rd go around and I ended up working one other station in California and went to bed. This morning I arrived at work to find an e-mail from Ed apologizing for losing me. Now is that a great effort from a QRO op or what? I sent him a note back thanking him for the good ears. Couldn't do it without those "good-ears" folks, could we?

Cheers,

Gary, KJ5VW

Date: 04 Feb 1998 10:52:41 -0500
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: qrp-l;;
Subject: [2958] Dan's delivers
Message-ID: <1998Feb04.105241-0500@[130.113.234.7]>

Customers of Dan's Small Parts:

I know there are some folks who are patiently waiting for a small cardboard box with Dan's name on it. Here's another data point:
Sent a mail-order off latter part of December.

Gleefully got it from Customs/Canada Post yesterday.

So Dan is digging himself out from under those mailbags.
Good stuff.
Satisfied Customer.

-Glen VE3DNL leinwebe@mcmaster.ca
on the banks of Cootes Paradise, western end of Lake Ontario.

Date: Wed, 4 Feb 1998 09:57:07 -0600
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [2959] My Novice Nostalgia
Message-ID: <21B46CBD022AD1118F0500805F15A068450922@STPMSX05.stp.guidant.com>
MIME-Version: 1.0
Content-Type: multipart/mixed;
boundary="----=_NextPart_000_01BD3153.4589B060"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

-----=_NextPart_000_01BD3153.4589B060
Content-Type: text/plain

It is fun reading the posts describing how folks started out in radio.
If I may...

In the summer of 1966, the neighbor teen ager just got his Novice license. I proceeded to pester him to no end for the next year until I got my license. Always going over to his house to talk radio, get help with morse code, or just to sit and watch him work cw on 40 or 15 meters. He had alot of patience with me and I will always be grateful for that. Thanks Jay. I bought his Heath GR-91 shortwave.

I took my Novice test from Claude W9VZ in Rockford Ill. Claude was an old timer in 1967. He was on in the teens and 20's as 9VZ. While waiting for my license, I used to practice cw on the buzzer using a made up callsign - WN9WFZ. I was licensed in 1967 as WN9WFA (around 14 yrs old) in Rockford Ill. Started with a Knight T-60 and a National NC-183D. Bought that NC-183D from Jay also and the Knight T-60 from "H and H Electronic Supply" in Rockford. That was the first year that Novice licenses were two years. I worked mainly 40 meter and 15 meter cw. Never worked much DX, but I still get excited when I recall working KZ500 in the Canal Zone. You know, ham radio was everything to me! Somewhere around 1970 I got my General license. I upgraded the

station to a Hammarlund HX-50 and an HQ-180AC. Wow, what a station!

One of the enjoyments as a Novice was going to the local club meetings. The Big Thunder ARC old guys (my age now) treated me as a ham, no different then the other guys, and were very kind. Invited me to field day, gave me rides to the hamfests and club meetings. Thanks guys.

Many years later I asked my Dad (who had no interest in ham radio) why he spent all that money for radio equipment for a 14 year old kids hobby. He said that while my school friends were out screwing around, starting to get into trouble, he always knew where I was in the evening and weekends, on the radio. He was right. Thanks Dad.

I am in the process of building a nostalgia qrp station. I have an Ameco AC-1 crystal controlled transmitter from the 1960's with 5 or 6 watts output, and I am building a two tube regenerative receiver to go with it. I can't wait to use it on 40 and 80 cw! My 4 year old told me she want to help build the receiver. She like to pick out the parts for me and especially likes to solder. I am surprised and will let her help build it!

A walk down radio memory lane sure is fun. We wish we could do it over again.

72,

Scott WA9WFA Saint Paul Minn
scott.freeberg@guidant.com
ARRL-LM QRP ARCI #7299, NORCAL #1974
Tentec Argonaut 509, OHR-100, 49'er

----- =_NextPart_000_01BD3153.4589B060
Content-Type: application/ms-tnef
Content-Transfer-Encoding: base64

eJ8+IhAPAQaQCAAEAAAAAAAAABAAEAAQeQBGAIAAAAA5AQAAAAAADoAAEIgAcAGAAAAAE1QTS5NaWNy
b3NvZnQgTWfPbC50b3RlADEIAQWAAwAOAAAAzgcCAAQACQA5AAcAAwAnAQEggAMADgAAAM4HAgAE
AAkAOQAMAAMALAEBCEAAAAxRjhFMjJFQUZFOUJEMTExOEYwQzAwQTAYNDYyMEY5QQA7BwEE
gAEAFAAAAE15IE5vdm1jZSB0b3N0YXNaWEADAcBDYAEAAIAAAACAAIAAQOQBgDUDAAALQAAAAA
A4AIIAYAAAAAMAAAAAAABGAAAAAFKFAAB0EAAAHgAFgAggBgAAAAAAwAAAAAAAEYAAAAAVIUA
AAEAAAAFAAAAOc4wMgAAAAADAASACCAGAAAAAADAAAAAAARgAAAAABhQAAAAAAAsAAAYAIYAY
AAAAAMAAAAAAABGAAAAAAOFAAAAAAACwAGgAggBgAAAAAAwAAAAAAAEYAAAAADoUAAAAAAAD
AAKACCAGAAAAAADAAAAAAARgAAAAAQhQAAAAAAAMAB4AIIAYAAAAAMAAAAAAABGAAAAABGF
AAAAAAAwAIgAggBgAAAAAAwAAAAAAAEYAAAAAGIUAAAAAAAEAAmACCAGAAAAAADAAAAAA
RgAAAAA2hQAAAQAAAAEAAAAAAAHgAKgAggBgAAAAAAwAAAAAAAEYAAAAAN4UAAAEAAAAABAAA
AAAAAB4AC4AIIAYAAAAAMAAAAAAABGAAAAADiFAAAABAAAAAQAAAAAAACAQkQAQAAAJoHAACW
BwAACQsAAExaRnVAhefWAwAKAHJjcGcxMjXSMgD7MzYB6CACpAPjCQIAY2gKwHNldDCWIAcTAoB9
CoF1YwBQiwsDC2BuDhAwMzMLpowgSQVABAAgZnUDoAkJcGFkC4BnIHRoWGUgcG9zdAQgAQB1BPJi

FJJJobwfgAhBsirmsEIBUwCsB0CYAgCGBHE8EUMRRxby4gE6Bm5R0gIADAEs4YsAqiCoSNC0BJA6AU
0nN1bQeABQXAbxhAMTk2NizBFMNuZw1naAbgBcAjFwAJ8CBhZxpRanVRFTAgZ28FQGgT4U5sb3YN
4BTwbB2BAIB1PxpGCFQADYB2QCYAXEXRv3xUAB5AXAAXAHRBtGBAfIX5uHzAJ8BcgAhAbwRsjeN0F
QHkUYAXAFcB0AxEYYIkC0m15Hb1BbHcYkP8EIBzQFJIdYbPRHyEdEhYg/xyQFPAfIQGQFoAXpBrw
HEDhHPF1bHAgA/AU0Bhw/wwWJSEFoAEAGvAXMBx1HyHfAJAFQABwFyAjpgHQQ0B+zNncFsCwwYwfg
AiAgNHMRQAWxMTUYcBEgBJBz/RgBSBTwEOAXIAdAH0Eagf8KsCHwCfAdkSbUFPao4hhg3QPwbAMg
B0Ajpg2IU8AnAeykwARB1AyAgtCkwGAFUdRDgbhaRShiRHkIG4HUfG4Ac9CuQKTAnAEdSLfw5MRaw
FiAAIC0AJEAY3P0fEW81sCKRHVUXABYhA1IUIEMLYHUBACBX0cxWWhdyCABjayCXLbH/LhAYATWV
I4AEIAORBvAfAe8HcQXAF4EasTcrZdfiKkG/F4EU0hvi0AIXIAHQJzgB1wQgNhEYAVcdEGw3wibg
/xSSILiimBrwGGA1ER8EF7AeYyHwHZEqFBTSYnV6bnoaURyQFJJhGHE10XVVJrBjB0BsAJBnA6At
4TXwTj1XRjviLdE38R8dxRcg0PU7gkHqZSA05wACGAggTE0IXARADhCdikYEDZfUxbVJtNAoEtz
AwAxQ1QtD0Ao00CgTg8skQIgB0AHsEMtMTj0M0QYAUixJC+ySY1NPswkSvxcx8wK0IU0kfNUPs
Ikgo003wRTxQPtADYJ0DAGMGAEQC1B5IkXazy/0BUA34hTSZmkRACF190qkHwSEIHcEkCUxKcAh
c/8rUi3RKdEXEQDAC4BPYCPi/ysDKNMq1ioBGAEHwCRCVibzEhAnAERYJ8E/0AVAGGDvFTAuAiZC
IUBjjJuBHQhTgPwOgGGAJcEFCKbMukktaaDVPTzomQwBwSWFaSwIghIJZCGAgayBad78a8BDgH+AX
szfTVyJ5FND3FJMfMAeAIRgQBgADcAfQZxTgU3FEpjK3E5EiRkf/CfAEkElhHcpBEC7hHuMZ4m8B
kEkiHxJA0EhdsADAcmmKQ4EiWC01SIUD0EjiUUmXMEFD0/JdYl0A10rBQKBjxSEY6k8bUBpy8xTS
CfBqbwBACfAVQTfy/x1GN+Ij1CVSFOEJAEBJ3D9CkBiKvERIBSRK1IwIBTwHkIbcDARRNEaUUFs
Q+k4Q2d1I6EoIpEcMSAx/ndFsE6wMdfUwi1xaJJdof8a8CBBFIABIFNhAJAUwhm0/xzgyBFuwxiw
KONTY16SXTD/C4BQQhmgHXBwNR8hUVAmkP0XIGQYkCYhMuEtUgUQFXH/a3ZdoXGgFTIo4mxfMDRu
0vcYAQrjGSZNAHAioFPjHbC/LwEFwBhgN/BUsyKgRcvR/ihACSrk9EgQQuAH4E1Av8XgV2nRbBa
ACKgGeIfUHHhf1qiSqMEYBtQIqAgs13kZfxxdQUgacIgo0CgRRihkss4UlsQZCTSYmIwsiuR/nML
cExyUKI8MyKRBPAPWIP8G8DUxLLGDgVNTF0IE8QfQ/0BjRLMa8BbDXvUmQn3RJWH/RLECYCexF0Eu
RV1AB9fGBL9ChDo1VyEDAEBYc3N1VLD/hkEa8D91F7Y51QUQMUEv+P980TMDxbE6NR6DBBEagT/Q
nwMQFINAoCBAFsFsZwcw+CBxciaWY8UeMxDgdmH9A5FBB4AFoBFQSaEncF6w/5MSJ3ECMANgLaAe
8hewAID+bSbgh4I1QxTSGrE7UibTdiAq4AWxNikSFUEXQXDfF1BzRJDTkk1TonRscHah/mUcQSyR
dmFacRtgJEUc0M8mxCbghJNBQG4nULIosf8fISUSKLEqRCjiZ1AqAV+C/k1VQYLIHyA4YS1hMoA3
wn9x4iSRJpKsQ42knPUYAVP9a8JpVLAfEw3gJbAXQhTT/xbhE/E9Ei10B5AfUFmgQVH/IqJUsHcD
TCA4YKSDkNMaEP+ToAUQPjIo4y4CPFAmYh+hF6NIJuBfgrjqRHAjgCWhZP8WMBvKvEnISKhAHaz
81Nx/xPk0/Is8jKAU0EncS9AddF/fbEsMSRCHDALcRjbAcAs3RjqUwWgAkA18EFEQwYB2X3RIFA1
sAMgTQuAC5B3GPME8L0xLgNQCeAusHJcZ0Bu0HbQosEuBaBtgay1U1JMLUxNAzBhAZEgUUVJQbkIY
YCNJAcA50RrWtk9uYEHWTlkQYNE0GORUadEFkD8RURzQSVAXUWwWFPsIsyMBLgMBrwNDknBJAL
GOQR0QC9gAAACwACAAEAAAAeAHAAAQAAABQAAABNeSB0b3ZpY2UgTm9zdGFsZ21hAAMA/T/kBAAA
AgFxAEEAAAAWAAAAAb0xhytAcNee4Z09EdGwnwCAXwEZKQAAQAA5AFC9S4uFMb0BAwDxPwkEAAAE
ADFAAQAAAAgAAABRQzAxODcwAAMAGkAAAAAAHGAwQAEAAAAIAAAAAUUMwMTg3MAADAB1AAAAAAMA
JgAAAAAAAwA2AAAAAADAIaQ/////wIBRwABAAAAANAAAAAGM9VVM7YT1NQ0k7cD1HVU1EQU5U02w9
U1RQTVNYMDU0t0TgwmJA0MTU1NzA3Wi0yODk3NgACAfk/AQAAAEKAAAAAAAAA3KdAyMBCEBq0uQgA
Ky/hggEAAAAAAAAAL089R0RUL09VPU1JTk5FU09UQS9DTj1SRUNJUE1FT1RTL0NOPVFDMD4NzAA
AAAAHGD4PwEAAAAWAAAAARnJlZWJlcmcsIFNjb3R0IchTVFApAAAAHGA4QAEAAAAIAAAAAUUMwMTg3
MAACAfs/AQAAAEKAAAAAAAAA3KdAyMBCEBq0uQgAKy/hggEAAAAAAAAAL089R0RUL09VPU1JTk5F
U09UQS9DTj1SRUNJUE1FT1RTL0NOPVFDMD4NzAAAAAAHGD6PwEAAAAWAAAAARnJlZWJlcmcsIFNjb
b3R0IchTVFApAAAAHGA5QAEAAAAIAAAAAUUMwMTg3MABAAAcw1DBHi4UxvQFAAAgwcJsZjoUxvQEE
AD0AAQAAAAEAAAAAAAAAHGAdDgEAAAAUAAAAATXkgTm92aWN1IE5vc3RhbGdpYQAeADUQAQAAAEIA
AAA8MjFCNDZDQkQwMjJBRDExMThGMDUwMDgwNUYxNUeWnJg0NTA5MjJAU1RQTVNYMDUuc3RwLmd1
aWRhbnQuY29tPgAAAAAsAKQAAAAAACwAjAAAAAADAAyQcz1LNwMABxDcBwAAAwAQEAAAAAADABEQ
AAAAAB4ACBABAABAAZQAAAE1USVNGVU5SRUFESU5HVEhFUE9TVFNERNVNDUK1CSU5HSE9XRk9MS1NT
VEFSVEVET1VUSU5SQRJT01GSU1BWU10VEhFU1VNTUVST0YxOTY2LFRIRU5FSUdIQk9SVEVFTkFH
RVIAAAAAAGf/AEEAAABCAAAAPDixQjQ2Q0JEMDIyQUQxMTE4Rja1MDA4MDVGMtVBMDY4NDUwOTIy

QFNUUE1TWDA1LnN0cC5ndWlkYW50LmNvbT4AAAD5gg==

-----=_NextPart_000_01BD3153.4589B060--

Date: Wed, 04 Feb 1998 10:01:47 -0600
From: Ed Manuel <n5em@flash.net>
To: n5em@amsat.org, MJMULLINS@dow.com, jwm@hal-pc.org, rsorge@phoenix.net,
w5robert@blkbbox.com, k5zty@juno.com, w5drc@ix.netcom.com,
rhiller@stephen.sysdev.com, clafkoff@kmg.com, jdougher@wt.net,
tedkell@juno.com, K5BDZ@aol.com, AMACALLI@danielind.com, w5acm@amsat.org,
Cc: qrp-1@Lehigh.EDU
Subject: [2960] HQRP: February Meeting
Message-ID: <3.0.5.32.19980204100147.008723b0@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Houston QRPers,

Make note on your calendar that the next (and 2nd!) meeting of the Houston QRP club will be on Saturday morning, February 21, 1998, from 9am to 11am.

Location will be same as last time:

5718 Westheimer, Suite 970
Corner of Westheimer and Bering Street, one block west of Chimney Rock.

Bring your latest project to show the rest of us. Bring your ideas. Bring your enthusiam!

It has been confirmed that Bill actually DID make the run to the security company so an undetermined number of gel cell batteries should be available. Don't oversleep that Saturday. You snooze, you lose.

Mike Mullins did a great job and condensed the membership list into an Excel spreadsheet. The roster will be available at the meeting.

Andy MacAllister ordered some solar panels and will have them to show at the meeting. Six inches x six inches square, 9 vdc at 60 ma. Cost about \$5.50. Look perfect for a small, portable charger for your QRP battery pack.

See you there. I'll have coffee at the meeting. I know which one NOT to use now :-). Someone want to bring the donuts this time?

Ed Manuel, N5EM

Houston, Texas
n5em@amsat.org
n5em@flash.net

Date: Wed, 4 Feb 1998 10:40:46 -0600
From: Bcieslak@ra.rockwell.com
To: qrp-l@Lehigh.EDU
Subject: [2961] Fastest QSL in the West
Message-ID: <862565A1.005B2DFD.00@ramilwsmtp01.ra.rockwell.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Well I worked KF6CTA in CA in the fox hunt on Thursday nite and his QSLshows up in the Mail in WI Monday Morning...WOW..
and that was surface mail. Hats off to the mail man, There will be an extra box of cookies in the Mailbox for you this week.

Brian AE9K

Date: Wed, 04 Feb 1998 11:57:27 -0500
From: Ken Newman <n2cq@comten.com>
To: njqrp@njqrp.org, QRP-L@Lehigh.EDU
Subject: [2962] Low Pass filters?
Message-ID: <1.5.4.16.19980204165518.278fdad2@mail.comten.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Group,

One of the rigs that had a chance to be tested on the WA2UNN spectrum analyzer at the recent NJQRP Club meeting, turned out to be less than 100%. The second harmonic was a little strong and had some spurs around the 80 Meter signal also.

Later I put the company scope (Tektronics 465B) on the output to my dummy load. When drive reduced, the sinewave looks less than a sinewave, and the lower cycle completely disappears at the lowest drive.

A higher voltage supply makes it worse at 5 Watts out.
Looks like I may need to change the final output low pass filter.

Currently, the input cap is 510 pf, middle cap at 1200 pf, and the output cap at 620 pf. Both coils are 20 turns of #24 on t37-2 cores.

It seems that the input impedance needs to be lower than that for 80. Not being a designer of filters, I hope to get some ideas on possible filter changes or guesses on what else may need to be considered on the problem. Any ideas?

72/73,

Ken Newman, N2CQ

Woodbury, NJ

N2CQ@Comten.com

Date: Wed, 4 Feb 1998 10:17:21 -0800 (PST)
From: Sam <kc5tja@animeonline.ml.org>
To: qrp-l@Lehigh.EDU
Subject: [2963] Power Outtage
Message-ID: <Pine.LNX.3.96.980204101627.211A-1000000@animeonline.ml.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry for any inconvenience, but we had a nasty power outage last night. As a result, mail to my e-mail address would have bounced.

If you tried sending me e-mail, and it didn't go through, please try to resend it again. :) Hopefully, we won't loose power again.

=====

KC5TJA/6		- TEAM DOLPHIN -
QRP-L #1447		Chief Architect and Project Founder
		(web page under construction)

Date: Thu, 05 Feb 1998 01:25:36 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: n2cq@comten.com
Cc: qrp@pandora.lugs.org.sg
Subject: [2964] Re: Low Pass filters?
Message-ID: <34d8a492.pandora@pandora.lugs.org.sg>

On Wed, 04 Feb 1998 11:57:27 -0500, "Ken Newman" <n2cq@comten.com> wrote:
> Looks like I may need to change the final output low pass filter.

The problem may not be with the filter actually, but with the matching on the final transistor. Putting a correctly selected capacitor from the collector to ground may get rid of the problem and increase your fundamental output power to boot.

> Any ideas?

I had a similar problem (seems common in many Class-C finals) and the capacitor cleaned up the problem form me and waveforms looked just right. Look up the article by Lewallen, W7EL, in "QRP Classics", p.262. That was the basis for my mods and it worked for me. He has some pictures of the distorted and corrected waveforms. They seem quite distinctive and if you see them, you'd know if this was your problem.

Hope this helps.

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org             |
+-----+-----+
```

Date: Thu, 05 Feb 1998 01:31:10 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: Rattray@siast.sk.ca
Cc: qrp@pandora.lugs.org.sg
Subject: [2965] Re: Dead Men Walking!
Message-ID: <34d8a5e1.pandora@pandora.lugs.org.sg>

On Wed, 04 Feb 1998 09:32:55 -0600, "Rattray, Bruce" <Rattray@siast.sk.ca> wrote:
> ..."Well Marshall Emm, having checked all records, I conclude that
> you're
> not supposed to be here and therefore, must go back. This happens once

Hi,

Guess what, I electrocuted myself 2 days ago. Being to lazy to turn off the mains power on the power supply unit I was looking at, and while struggling to put it back together, my finger got into contact with the live

fuse holder and got a tremendous jolt. Fortunately the mains tripped and put the whole house in darkness. No, I didn't think I was dead but sure felt fortunate that my time was not up just yet :-) Talk about dead men walking!

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                     |
+-----+-----+
```

Date: Wed, 4 Feb 1998 12:45:12 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [2966] How to get MILLIWATT on CD?
Message-ID: <21E06269B00ED111BE9B00805F6D0FA315A629@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Some time ago I saw a reference to getting the complete set of MILLIWATT issues on CD. Could someone email an address or telephone number so I can order it.

I am a digest mode list user so please directly email to me unless you think others will be interested.

Sam AE4GX

Date: Wed, 4 Feb 1998 10:51:06 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [2967] FYBO - Last Minute Stuff
Message-ID: <199802041751.KAA21392@usr06.primenet.com>

Howdy Folks,

Things are going to get wild and wooly at Chez Gervais these next few days, so I won't be able to answer email after tonight.

So.... If you have ANY last-minute FYBO requests
(info, clarifications, etc.) please please please
get them to me by tonight. I'll be up late. ;-)
Otherwise it'll have to wait 'til I get back.

I'll append the rules here in case someone lacks
web access and needs a last-minute copy. A FYBO
FAQ, Summary and Logsheets, and the rules can
all be found at ScQRPion Bob's homepage
(www.dancris.com/~ki7mn).

If you can't get a question answered, please refer
to the FYBO Prime Directive: "When in doubt, operate
and have fun!!!" As long as you have a rig, antenna,
and a thermometer, you can't go wrong. :)

Oh yeah - take lots of pictures for bragging rights!
Maybe we can talk Bob into putting a FYBO '98 Gallery
on his webpage for awhile. ;-)

Please be safe - lots of nasty wx out there.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Ricola!" -- Pinky and the Brain

===== FYBO '98 RULES =====

FYBO (Freeze Your B____ Off) Winter QRP Field Day

Sponsored by the AZ ScQRPions.

*** SAFETY FIRST! PLEASE RESPECT THE WX AND YOUR OWN LIMITATIONS! ***

1600Z Feb 7 to 0400Z Feb 8 (Operate all 12 hours).

QRP HF Only. CW (5W max), SSB (10W PEP max). QRP calling freqs (no WARC).

Categories: Single Op (Home/Field), Multi Op (Home/Field), Novice/Tech+.

Work stations once per band/mode. Score 1 point per QSO.

Exchange RS(T), S/P/C, first name, power out, and temperature
(Fahrenheit) at OPERATOR'S POSITION. Indoor stations must report

INDOOR temperature.

Example: 579 AZ Joe 2W 40F

Multipliers:

SPCs (each counts only once overall),
Field Location: x4 (Field per ARRL FD definition),
Alternative Power: x2,
QRPP (less than 1W): x2,
Lowest Operating Temp (at OP'S POSITION):
 65+ F = x1;
 50-64 F = x 2;
 40-49 F = x 3;
 30-39 F = x 4;
 20-29 F = x 5;
 Below 20 F = x 6.

Final Score: QSOs x SPCs x Temp Multi (x Field) (x Alt Pwr) (x QRPP).

Mail logs by March 7 to: Joe Gervais (AB7TT), PO Box 1822,
Goodyear, AZ 85338. Include location, category, op(s), and
power out. For more info, email vole@primenet.com or visit
<www.dancris.com/~ki7mn>.

Date: Wed, 04 Feb 1998 18:26:48 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2968] ARS Sprint/ Floods.
Message-ID: <34D8B2E8.1C12@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Left work yesterday at 3:35 PM. Usually 45 minutes and I'm home.
NOT! The route home includes a long stretch of road. Way at
the end of this road was 200 feet wide body of water, 4 feet
deep. After realizing that pedaling through was not possible,
Me and my wet pants retreated and had to take the 5 mile detour.
Got home after 5 PM.... Today I have a ride.

We are expecting huge wx probs. here over the FYBO weekend.
No fear of flodding at my city QTH, but the ground is very
saturated and standing water is begging to enter my garage

not far from my station.

For the Spartan sprint, here's my report:

The Makita Battery wasn't fully charged and had to drop to 3 watts. First 2 Q's were at 4 Watts.

I was using my new Folded Bazooka Antenna and this surely helped. But W6ZH and his two watts was truly amazing!

This sprint was much better than the last one!

Thanks!

-Ed Loranger

Station Set-up: (Operated ONLY 40 Meters for 2 hours.)

WE6W, Santa Rosa, CA

OHR-100 at 3 Watts:::: 0.5 lbs

Makita 12V Battery:::: 0.8 lbs

Plastic straight key:: 0.1 lbs

Lt.Wt. Earphones:::::: 0.1 lbs

TOTAL Station Weight: 1.5 lbs

Log:RST/CA/3W

SENT	CALL	exchange
------	------	----------

579	W6SU	579 CA 2W
-----	------	-----------

579	AB7MY	579 AZ 5W
-----	-------	-----------

449	N0IBT	569 CO 4W
-----	-------	-----------

449	K7PX	559 MT 1W
-----	------	-----------

449	AA7QU	449 OR 5W
-----	-------	-----------

599	K6PZB	569 CA 2W
-----	-------	-----------

559	N0TU	559 CO 2W
-----	------	-----------

569	W6ZH	549 CA 2W
-----	------	-----------

549	N7XJ	449 UT 5W
-----	------	-----------

549	AA7LE	559 OR 5W
-----	-------	-----------

549	KN6YD	579 CA 1W
-----	-------	-----------

569	K0EVZ	559 MN 5W
-----	-------	-----------

339	AB7TK	339 ID 2W
-----	-------	-----------

329	NU6SN	539 CA 1W
-----	-------	-----------

559	K06KA	569 CA 3W
-----	-------	-----------

569	W6HAL	559 CA 100W <---QRO. DOES IT COUNT?
-----	-------	-------------------------------------

TOTAL Q'S===== 16 (15 IF QRO STATION INVALID)

-Ed Loranger, we6w

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 4 Feb 1998 13:35:49 EST
From: Shephed@aol.com
To: kc8dgu@postoffice.worldnet.att.net
Cc: QRP-L@Lehigh.EDU
Subject: [2969] Re: N/T+ Log for 2/2/98 Update
Message-ID: <ccacb3fa.34d8b507@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks Tom,
Conditions here were real bad Sunday, look for me again on the 16th.

72, 73
Dan, N8VZU
QRP-L #1404

Date: Wed, 4 Feb 1998 07:15:26 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: dave_epps@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [2970] Re: toroid measure
Message-ID: <BU0kTQAOWB20EwIY@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <19980203.142330.10062.0.dave_epps@juno.com>,
dave_epps@juno.com writes
>Seems my new l-c-r meter won't measure "frequency specific ferrite" at
>the freqs I'm trying to use. Now will find info on how to build one that
>will.

[deleted]

I put the coil in parallel with a 1% 100 pF capacitor and use a signal generator with a diode detector, op-amp DC amplifier circuit and conventional VOM to measure the resonant frequency. It's a very accurate technique (I connect a counter to the signal generator), and by using

different value capacitors, you can check the inductance at the actual frequency you are using, if you wish. You can even measure the Q of the coil, at the same time. With a known L, you can measure capacitors the same way, of course.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 4 Feb 1998 06:57:52 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: vkumaga@uswest.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2971] Re: Looking for Transistor BETA tester - kit or instructions
Message-ID: <V07hrPAwFB20Ewoj@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <34D7B4B0.512B@msmgate.mrg.uswest.com>, Vince Kumagai
<vkumaga@uswest.com> writes

>Does anyone know where I can find a transistor BETA tester that I can
>use with my DMM. I have seen a kit on the internet but it was in
>Australia. A bit far for an order. If not a kit then perhaps someone
>has seen instructions on building one from scratch?
>
>73

Why not just wire up a simple DC amp. circuit (collector to, say, 12V
via a 1K resistor, base to 5V via a 4K7 resistor and the emitter
grounded), with a socket for the transistor. You can then calculate beta
from the collector current (measure the voltage across the 1 K collector
resistor with your DMM). My DMM has a beta tester built-in - it probably
works the way I've outlined.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of my AD9850
DDS system. See " " /diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 04 Feb 1998 13:02:06
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [2972] Re: PCB Etchant
Message-ID: <3.0.3.16.19980204130206.12773bfc@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> As for the etchant, could we use only a small portion for the board, too?

I know one person who etches in zip lock baggie.

I also know a person who poured the etchant into an aluminum baking pan and ended up with one heck of a mess in about 10 seconds!

Personally, I have one of those photo developer trays to etch in. It has a convenient pour spout on the corner for pouring the etchant back into the bottle and the plastic tongs that came with the tray are handy for handling the board.

I find the more etchant the better, especially when it starts to get weak. I don't know the exact chemical reaction (is there a chemist out there who knows?). but I don't think it's possible to revitalize the etchant. I do know if you seriously over use the etchant, a nasty sludge precipitates out.

The main problem is what to do with the spent etchant. I have a couple of gallons of the stuff to get rid of. Guess I'll have to keep an eye out for the next HazMat clean up week and see if they will take the stuff.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 4 Feb 1998 12:03:03 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [2973] FYBO - What is it?
Message-ID: <199802041903.MAA25602@usr04.primenet.com>

(Sorry if this is info overload - seems more folks needed the "full data dump" than I realized....)

Howdy Joe (and Folks)!

Joe (VE3UXE) wrote:

>

> What is FYBO? I assume it is a contest but what are the rules?

FYBO is the "Freeze Your B_____ Off" Winter QRP Field Day, sponsored by the AZ ScQRPions. It's an honest Field Day (12 hours) in the dead of winter. Just to prove once and for all that "QRP is not for Wimps." ;-)

I'll send a copy of the rules to you, Joe. QRP-L is probably sick of seeing them by now. :-) Sure hope you can join in! You don't have to be in the field to be in the contest. In fact we NEED ops at home handing out warm temps to us frozen field ops! :) Very friendly, casual event.

> Is it open to VE's?

Heck yeah! FYBO is for everyone. Plus we've got that whole NAFTA thing between us, which even has a FYBO provision in it, I think. ;-) As the sunspots come back, it'd be nice to get more of our DX QRP friends involved. HP1AC and EA8YU are good QRP ops who show up occasionally.

We'll probably add a DX category next year (non-North America) along with an option to send Temps in centigrade. Would any DX ops be interested? The winner of the DX category could choose between a case of microwave pork rinds or a 6-pack of Jolt Cola ("All the sugar and twice the caffeine!"). :-)

> When does it take place?

This Saturday, 1600Z-0400Z, HF (now WARC). All you need to do is stick a thermometer next to your station. Use that temp whenever you send an exchange. It's FUN to work other folks and see what their operating temp is. Remember, it's the temp at the OPERATOR'S POSITION that you send. Indoor ops must send indoor temps.

Cheaters will be fed to the ice weasels. :)

That should cover it. Remember the AZ ScQRPions' unofficial motto, "If it ain't fun, you ain't doin' it right!"

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Ricola!" -- Pinky and the Brain

Date: Wed, 4 Feb 1998 13:56:22 EST
From: SABorns@aol.com
To: qrp-1@Lehigh.EDU
Subject: [2974] CQrp Meeting (Saturday)
Message-ID: <282e7c8b.34d8b9d8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello All,

The February CQrp (Columbus QRP Club) meeting will take place on Saturday February 7th at Universal Radio in Reynoldsburg. The meeting time is the usual 10:30 and we shall adjourn to the Ponderosa Steak house for lunch.

Bring your latest project and ideas. K8IDN will have a newly constructed Smite (surface mount updated "Pixie") and a few other new projects.

All are invited BRING A FRIEND.

73/72 Steve K8IDN

Date: Wed, 04 Feb 1998 13:15:54 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'we6w@qsl.net'" <we6w@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2975] RE: ARS Sprint/ Floods.
Message-ID: <ABB04875E11AD01191A40000F83092BE83252E@STONE>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT

Boy oh boy Ed!...you guys will do anything to get a good ground plane!!...HI HI ;-)keep dry & warm...72 - Bruce(VE5RC)

-----Original Message-----

From: Ed Loranger [SMTP:we6w@qsl.net]
Sent: Wednesday, February 04, 1998 12:27 PM
To: Low Power Amateur Radio Discussion

Subject: ARS Sprint/ Floods.

Left work yesterday at 3:35 PM. Usually 45 minutes and I'm home.

NOT! The route home includes a long stretch of road. Way at the end of this road was 200 feet wide body of water, 4 feet deep. After realizing that pedaling through was not possible, Me and my wet pants retreated and had to take the 5 mile detour. Got home after 5 PM.... Today I have a ride.

We are expecting huge wx probs. here over the FYBO weekend. No fear of flodding at my city QTH, but the ground is very saturated and standing water is begging to enter my garage not far from my station.

For the Spartan sprint, here's my report:

The Makita Battery wasn't fully charged and had to drop to 3 watts. First 2 Q's were at 4 Watts.

I was using my new Folded Bazooka Antenna and this surely helped. But W6ZH and his two watts was truely amazing!

This sprint was much better than the last one!

Thanks!

-Ed Loranger

Station Set-up: (Operated ONLY 40 Meters for 2 hours.)
WE6W, Santa Rosa, CA

OHR-100 at 3 Watts:::: 0.5 lbs
Makita 12V Battery:::: 0.8 lbs
Plastic straight key:: 0.1 lbs
Lt.Wt. Earphones:::::: 0.1 lbs

TOTAL Station Weight: 1.5 lbs

Log:RST/CA/3W

SENT	CALL	exchange
579	W6SU	579 CA 2W
579	AB7MY	579 AZ 5W
449	N0IBT	569 CO 4W
449	K7PX	559 MT 1W
449	AA7QU	449 OR 5W
599	K6PZB	569 CA 2W
559	N0TU	559 CO 2W
569	W6ZH	549 CA 2W

549	N7XJ	449 UT 5W
549	AA7LE	559 OR 5W
549	KN6YD	579 CA 1W
569	K0EVZ	559 MN 5W
339	AB7TK	339 ID 2W
329	NU6SN	539 CA 1W
559	K06KA	569 CA 3W
569	W6HAL	559 CA 100W <---QRO. DOES IT COUNT?

TOTAL Q'S===== 16 (15 IF QRO STATION INVALID)

-Ed Loranger, we6w

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola,
FL 1977.

72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 4 Feb 1998 11:52:24 -0800
From: "Wayne Barnhart" <wb7whi@triax.com>
To: <daniel@pandora.lugs.org.sg>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [2976] Re: Low Pass filters?
Message-ID: <199802041950.LAA06178@smtp.triax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Don't have the QRP classics and dont think I have noticed this capacitor to
ground before unless you are talking about the first cap of the pi filter.
Are you suggesting that there are other frequencies in there causing the
distortion and the cap sends them to ground.
Not sure I understand and the class dont start for another month :)

Wayne WB7WHI
Spokane, Wa.

> The problem may not be with the filter actually, but with the matching on
> the final transistor. Putting a correctly selected capacitor from the
> collector to ground may get rid of the problem and increase your
fundamental
> output power to boot.

>

Date: Wed, 4 Feb 1998 11:02:43 -0900 (AST)
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [2977] Re: Brings tears to my eyes de AL7FS
Message-ID: <v03007801b0fdf8dd1518@[204.119.15.14]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

You folks down in Atlanta had better be careful with AL7FS on the loose... You see he is kind of like a Trojan horse...

In the lower 48 you have your "Ground Hog" that you run out around the tree in early February... We don't have any ground hogs this far north and we can't get any self respecting marmot to poke his head out this early so we have to draw straws and send a sacrificial "Ham" to try and forestall an extended winter...

Well the badgers didn't get him in Jersey, and so far it doesn't appear that the water moccasins are having any better luck in Atlanta... See how sneaky he gets when he knows that we are about to retrieve the probe... He claims to be in a different domicile... All this really means, Jim, is another 3 months of winter... No big deal...

We wish you had not seen your shadow Jim... Come back to the land of the "Frozen Chosen"... Remember, large doses of sun and warmth are not good for you... Don't let them tempt you with their glossy sub-tropic propagation... We have an Alaskan QSO Party to attend to...

We are afraid it's too late... We've had reports of flowered short sleeve shirts, shorts, flip-flops, doing the CHop CHop !!!

Take care and have fun Jim... Bring back some sunshine...

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhopskins/akqrp>

***** ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 *****
See AKQRP Web Site for Details

Date: Wed, 4 Feb 1998 15:12:55 -0500
From: chefsaul@juno.com
To: leinwebe@mcmail.CIS.McMaster.CA
Cc: qrp-1@Lehigh.EDU
Subject: [2978] Re: Dan's delivers
Message-ID: <19980204.151452.3334.1.chefsaul@juno.com>

again, i'm curious if everytime anyother ham supply company delivers,
someone comments on it. good bad or indifferent , let him be ks4aul

On 04 Feb 1998 10:52:41 -0500 Glen Leinweber

<leinwebe@mcmail.CIS.McMaster.CA> writes:

>Customers of Dan's Small Parts:

> I know there are some folks who are patiently

>waiting for a small cardboard box with Dan's name on it.

>Here's another data point:

>Sent a mail-order off latter part of December.

>Gleefully got it from Customs/Canada Post yesterday.

>

>So Dan is digging himself out from under those mailbags.

>Good stuff.

>Satisfied Customer.

>

>-Glen VE3DNL leinwebe@mcmaster.ca

>on the banks of Cootes Paradise, western end of Lake Ontario.

>

>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 04 Feb 1998 20:24:25 -0800
From: Tony Fishpool <g4wif@btinternet.com>
To: qrp-1@Lehigh.EDU, gqrp-1@blacksheep.org
Subject: [2979] GQRP website - on the move.
Message-ID: <34D93EF9.7A3@btinternet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear all,
I have had to move the club site at rather short notice. The new URL
is:-

<http://www.btinternet.com/~g4wif/gqrp.htm>

Would you please check your bookmarks.

Kind regards
Tony - G4WIF/KI8CR

Date: Wed, 4 Feb 1998 15:00:52 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [2980] KnightSMiTe photographer?
Message-ID: <199802042035.PAA20442@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Could any of the new KnightSMiTe owners take some pictures for us? If
you've got a digital camera and can convert the images to .JPG files we'd
appreciate some help.

We're putting the Webpage together, and have no KnightSMiTe pictures. We
can use a shot of the board, an assembled kit, one in a case, etc.

No need to go to a lot of trouble, (you want some pictures of the little
rig anyway, right?)

If you can help, let me know.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Wed, 4 Feb 1998 13:08:36 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [2981] Need a Soldering Iron?
Message-ID: <199802042035.PAA07241@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Just noticed in a Tech America flyer that the Weller WTCPT soldering station is on sale for \$99.95

I've been using one of these (actually mine is an earlier design of the same model) for several years. It is by far the best iron I've ever owned for electronic circuit work. Used it most recently on KnightSMiTe assembly and found it worked fine on the tiny parts. The Tech America flyer also lists 18 different tip styles available for this iron. (PTC7 or PTF7 for SM work) (I used a bigger one, but it still worked)

It is not the cheapest iron you can buy, but considering that it could be the last one you'll ever have to buy, it's a bargain.

I have no connection with these companies, but since a lot of you will be wondering what kind of iron will work with your KnightSMiTe, I thought I'd recommend one.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

Date: Wed, 04 Feb 1998 16:06:16 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: JLarsen@alascam.att.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2982] Re: Brings tears to my eyes de AL7FS
Message-ID: <34D8D848.D08FCB9D@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larsen, Jim wrote:

>

> Greetings from Atlanta.....

> So far, Thursday night looks like dinner with W4ED, K4ZD & KK5MM.

We're looking forward to meeting you too.

May I suggest Grady's American Grill, 6 PM, it's close to you and ~ central for Atlanta metro. A little upscale but no ties, ie, a set of teeth required for servers. It can be busy so I'll get there early for a table.

Reason this goes to the list -> if any local QRP'ers would like to join, please come along. Also, let me know you are coming so I can get a table with enough seating.

GRADY'S AMERICAN GRILL
2490 BRIARCLIFF RD NE
ATLANTA, GA 30329
(404) 321-4663

Directions from downtown, take I-85 north to North Druid Hills (exit 31), take North Druid Hills right, go about 1/2 mile and Grady's will be starboard (right) just before Briarcliff.

Jim, just go back to exit 31, stay on North Druid hills, cross over I-85, rest is above.

ps - Bruce/KL7AF,

we don't always have signals on 80m, but do get plenty of rain.

> We wish you had not seen your shadow Jim...

Believe me when I say, the only shadow came from a Sun Lamp in Jim's hotel room. That great tan he'll be sporting, well...

>large doses of sun and warmth are not good for you...

Maybe, but it doesn't stop us from heading further south, like the Keys or BVI.

> We are afraid it's too late... We've had reports of flowered short
> sleeve shirts, shorts, flip-flops, doing the CHop CHop !!!

Oh, did we miss the Motley Group hamfest again ?? Darn.

--

/|

CUL, Bob 72/73

<http://www.qsl.net/w4ed>
W4ED nr Atlanta @EM73wt
...."QRP", more from less....

```
      / |  
    /  | \  
  / | / E | \  
/_|/_/_/_|_/_\  
[\-----/
```

Date: Thu, 05 Feb 1998 05:05:05 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: "Wayne Barnhart" <wb7whi@triaux.com>
Cc: qrp@pandora.lugs.org.sg
Subject: [2983] Re: Low Pass filters?
Message-ID: <34d8d802.pandora@pandora.lugs.org.sg>

On Wed, 4 Feb 1998 11:52:24 -0800, "Wayne Barnhart" <wb7whi@triaux.com> wrote:
> Don't have the QRP classics and dont think I have noticed this capacitor to
> ground before unless you are talking about the first cap of the pi filter.
> Are you suggesting that there are other frequencies in there causing the
> distortion and the cap sends them to ground.

Not really. It seems that from analysis that Lewallen did, certain type of output networks are inherently distorting signals. To cut a long story short, the switching effect of the Class-C finals (which is what most of the homebrew rigs have), tends to result in some rather ugly waveforms. After reading this article, I checked my ARK-20 finals. Lo and behold, the said distortions were visible. I was using a 150MHz scope and I believe slower scopes will not see the problem as clearly.

This distortion, according to the article, can be reduced by filtering but efficiency will be reduced. The problem has to do with certain output configurations. On a hunch I started adding small values (50-150pf S.M.) caps from the finals collector to ground. I observed that the waveform started to clean up as I fine tuned the value. Eventually I ended up with a very clean signal, even before the filtering. I also noted that power output went up by about 15 percent or so (maybe more).

If you want to see this, you'd have to stick the scope at the collector of the final transistor. Make sure you are using a good low capacitance and high impedance probe. Most people just look at the output from after the filter and they probably won't see much of this going on except the occasionally distorted waveform.

The article is a reprint from QST October 1978, p.34, entitled:-

"On Solid-State PA Matching Networks"
Roy W. Lewallen, W7EL

Hope this helps. It may or may not be the cause of the problem.

73 de 9V1ZV Daniel

--

```
+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                     |
+-----+
```

Date: Wed, 04 Feb 1998 13:09:59 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.EDU
Subject: [2984] Re: Need a Soldering Iron?
Message-ID: <OCCKOHPMAOJFCAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Kellogg wrote:

Gang,

Just noticed in a Tech America flyer that the Weller WTCPT soldering
>station is on sale for \$99.95 . . .

It is on sale from WASSCO Online for \$75.95, regular price \$99.50.

Saw the ad at:
<http://www.wassco.com/was/wtconoutstat.html>

72,
Mike KL7IXI

Have you tried MailCity?
Get your FREE, private e-mail account at
<http://www.mailcity.com>

Date: Wed, 4 Feb 1998 14:27:26 -0700
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [2985] FYBO '98
Message-ID: <19980204.142735.2662.0.wa5whn@juno.com>

At T minus 2 days and counting.

Special snow weather pattern in place, oops, Joe, AB7TT You had forgotten to change 2 things, the wx was supposed to come up through Baja Calif., not NorCal, with 4" to 6" of new snow being deposited {Feb. 4th} in Pinetop, Az.. {Waterproof those radios, keyers, fingers, ladder line, etc..} The 2nd thing ? Make sure it is a sunny day in Pinetop on Saturday {Feb. 7th}, say in the low 40's {Fahrenheit} during the day & down to the upper 20's at night .

N4BP & Crew maybe maritime mobile this year. New category ?

Maybe we can practice our SMIC soldering skills, with gloves on in Pinetop, out in the Field. Where's K1MG when we really need him ? ;-)

People it does not get any better than this, spaghetti dinner courtesy of Bertie & Bob Hightower & chili & beans courtesy of Roger Hightower. Hmmm, I wonder how KK6MC/5 will do out there near the Bisti Badlands, all by himself ?

AB7OA has promised us excellent propagation throughout the contest period. Final wx & propagation check.

Armed with my NorCal {K8FF design} paddles, TiCK keyer, spare lithium batteries, Sierra & GM xcvs, and 2 antennas, and one WB5QYT Spud launcher, we are ready. I must remember to recharge the butane fueled soldering iron, just in case.

We are just hours away from FYBO '98. Joe, don't forget the large marshmallows.

Looking forward to working all of You , on the air, from Pinetop, Arizona.

72...Jay, WA5WHN/7

PS Where's Doug ? ;-) I can see it now, Doug drops out of Amateur Radio to take a \$10 million/yr. Woman's basketball coaching contract @ Stanford.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 04 Feb 1998 17:03:07 -0800
From: Bill Crowley <bcrow@carte.net>
To: qrp-1@Lehigh.EDU
Subject: [2986] WinterFest '98
Message-ID: <34D90FCA.16E4@carte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We have our power back up here in the big piney woods of Maine, and it's time to find a cure for cabin fever! The first hamfest of the season is Saturday: WinterFest '98, sponsored by the Augusta Amateur Radio Association. It starts at 9:00 a.m. at Crystal Falls dance hall (no dancing during the hamfest, please!), U.S. Rte 17, Chelsea, Maine. From Augusta, follow the signs for Rte 17 east toward Rockland. The site is about five miles east of Augusta. Talk-in will be on 146.67 and 146.70 repeaters.

Lots of good stuff, including products from Kits & Pieces (neato qrp automatic antenna tuners), Radio Devices and Radio Shack (big discounts on ham products), plus anything in print about ham radio from Bob's Books for Hams (Ham Radio Bookstore affiliate). The usual coffee, donuts, hot dogs and other health foods will be available throughout the day. Door prize drawings at 1:00 p.m. (You must be present to win).

All for just five bucks (under 18 admitted free with paying adult; we want to encourage new blood in ham radio!). See you there! Ayuh!

72/73 de Bill, K1NIT

Date: Wed, 04 Feb 1998 15:09:18 -0700
From: Jess_Gypin@coralsys.com (Jess Gypin)
To: qrp-1@Lehigh.EDU
Subject: [2987] Test DO NOT READ!
Message-ID: <34D8E70D.6D573F52@coralsys.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----3B8738E4D23CAE3FB10F99CA"

-----3B8738E4D23CAE3FB10F99CA
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

[Image]Oh NO! It's Email from Jess!

--
Jess Gypin <><
Coral Systems Technical Support
Longmont CO
jgypin@coralsys.com

-----3B8738E4D23CAE3FB10F99CA
Content-Type: multipart/related; boundary="-----58CFB748025D8DC0B7A1E21C"

-----58CFB748025D8DC0B7A1E21C
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>
Oh
NO! It's Email from Jess!

<P>--

Jess Gypin <><

Coral Systems Technical Support

Longmont CO

jgypin@coralsys.com

 </HTML>

-----58CFB748025D8DC0B7A1E21C
Content-Type: image/gif
Content-ID: <part1.34D8E70D.DD83C9C1@coralsys.com>

Content-Transfer-Encoding: base64

Content-Disposition: inline; filename="C:\TEMP\nsmailR5.gif"

R0lGODlheQBOANcAAAAAAGICBAQEBgYGCAgICgoKDAwMDg40EBAQEhISFBQUFhYWGBgYGho
aHBwcHh4eICAgIiIiJCQkjiYmKCgoKioqLCwsLi4uMDAwMjIyNDQ0NjY2ODg40jo6PDw8Pj4
+PzMzPz8zMz8zMz8/MzM/PzM/PycnPzMnPz8nMz8nJz8nJz8zJz8/JzM/Jyc/Myc/Pyc/Pyc
zPxsbPycbPzMbPz8bMz8bJz8bGz8bGz8nGz8zGz8/GzM/Gyc/Gxs/Jxs/Mxs/Pxs/PxsPxs
nPw8PPxsPPycPPzMPPz8PMz8PJz8PGz8PDz8PDz8bDz8nDz8zDz8/DzM/Dyc/Dxs/Dw8/Gw8
/Jw8/Mw8/Pw8/Pw8zPw8nPw8bPwMPPwMDPw8DPxsDPycDPzMDPz8DMz8DJz8DGz8DDz8DAz8
DAz8PAz8bAz8nAz8zAz8/AzM/Ayc/Axs/Aw8/AwM/DwM/GwM/JwM/MwM/PwM/PwMzPwMnPwM
bMwMPMwMDMw8DMxsDMycDMzMDJzMDGzMDdzMDAzmDAzMPAzMbAzMnAzMzAyczAxsAzAw8zAwM
zDwMzGwMzJwMzMwMzMwMnMwMbJwMPJwMDJw8DJxsDJycDGycDDycDAycDAycPAycbAycnAxs
nAw8nAwMnDwMnGwMnJwMnJwMbGwMPGwMDGw8DGxsDDxsDAXsDAXsPAxsAbAw8bAwMbDwMbGwM
bDwMDDw8DAw8DAw8PAwMPDwMPGw8PGxsPDxsPDxsDw8bGw8bJw8PJxsPJycPGycPDycPDyc
bDycnDxsnDw8nGw8nJw8nJw8bMw8PMxsPMycPMzMPJzMPGzMPDzMPDzMbDzMnDzMzDycDxs
zDw8zGw8zJw8zMw8zMw8nMw8bMxsMycbMzMbJzMbGzMbGzMnGzMzGyczGxsJxsMxsMxs
nMycnMzMnJzMnJzMzJyczMycJxsJycbGycbGycnGxsJxsAwMDw8PGxsJycnMzMzPz8
/MxsJwCfJw8/GhoaDAwMAGICG00TVUCwyH/C05FVFNDQVBFMi4wAwHoAwAh+QJJBQAAACwA
AAAAeQB0AAcI/AABCBxIsKDBgwTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihXJsQJ
kyhTqLzJsQXLLzBFwopJs2K+mjgj3szJk+H0nkAP/gxKV0DQokGPIu2pdGn0pk5rQo0acyrV
l1avtsyqdSXXrim/gj0pdmzJsmDlGcg1ICTarrnYs0HU9uPbmANYceJkoC7CAYfksjnk1+Pd
lwQCC+aUS95fwXIbezzcMjFkwZINDrjMJtfkqGr1KhZ8iMDBzZc50TYcNYEJE+wMcErtt668
2ZDpdqS8kt3r12tz2zY9QF5c4budDvj9WwHuuW3VGiAwYIBlzKs38k65nLkJbfsGRhMIbaD8
Wt6cDpX+vLS7dxMOMAfm03pu+cys279/rUAX7vCDPcfGWNypt993xwlmQGcGMHDcIQz0xR5S
7r2nwGWHcMKABx5gEFcuHkhQmEbboVQhc+w4d5kBHHiOAV8cjphRiSfJo4B37AgImQQtcrhX
iAZMiBQB2vwGnmycDdgiBrJxIkF51VVHlUDKMB0ikgmmQuPQC6Yy1r1MSnjRDSqFFp9qW3Z
YXkZ71VehGNKVCZ3CSYpV5vprVieaTNqRcAqdgaKYXpxyunnKmgKaidbU15lnHqKCpoLo31q
lReknB3ypY5yMcYgn5X6Kdsha0B2iC3m5Rlgnvv4YTRnjQM0aUCpuXnBB5t7qdpZdqGyVB2v
Cc1zqaCcUMJArp3e2WqvKQl7GrAAEABgpJzt1d14AwkrpUWvQiQstAAAdsgq2RLAKbWD5aIp
qAAY1+lF3TokD7gCPRiduhii25l92WapG7fNgjvAXgnSVsdjayWq6FoEmDtfoRDFy1CcQ0GZ
Yadf4qsvZ0HR0he9htZI78AE+3vexkmCeV5pIEds4k03fTktyqYGORBqNsP78k0zbeoxzdAR
JC7ED0msENEFxcUJARoDfUj0NyPtKNEJSZ3tr6MCPWDLru4s0aU/K1qqp1AXCCtFeYXNyRps
s8G2eup5SphIV0oHy/VB0ma5GNx8ZxicXFZTVLfdD+VdHKC5wc3JKquYt6BggZ05klpRCiwt
dQPvad90v0Y7MxuRh+yrdY47XlxBj20GkDyJ/QvS4B61PlihCXpGN1WpP63Q46VV1zfC2Hbt
UgHEF0/8AsgnnzzvByig/PPldXquustKfhLxCdyv/fYLIDCpfQggcEB5uXIyft05okm98CQN
wP37yitwwLmQ6ZUuYweEr3/49715wN0Lgd3N4EdA+Z3HWk1Cz5eaR8DuhU4oKhMA8Rr4PAXs
z3v14wsCnLc9BBGvPzkxngHSELiPdAsKBRIQAAAIfkECQUAAAAAASAAAAHkATgAHPwAAQgc
SLCgWYMIeYpcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cwRcKK
SbNivpo4I97MyZPhzp5AD/4MS1Tg0KJBjyLtqXRpzqZ0a0KNGnMq1ZdWt7bMqnU1164pv4I9
KXZsybJmR6JNG3It249u33aM61LegFyc0BGQB5MuywEGOLEZfCjXAIV2BwzgCzfQ3UODI7PJ
RSDh3bwGGM91Ki+X5M+5NBccINmwR78pCbBjpwDv500VD5KWzEl0RtQo2ZnYbYI15Mi1B8pj
POB35FWbkQ7QxpU3Ns+DOR0WuFfgAMG0bV/EbXJA8+/72N1U1kdgr2IC0IFP18i9JJIHvzdn9
Xmygfv3Ds9VzbE9SN3zeDgWw2CGQHYKZAbkYJ91+S/n3X2+QGfCZZIcgKKB2FvE3koP/aRPe
hKVxAltyRSnwIG8SgjhLqGRSNR732njQF6cpKdidLlK5mJQA3Bogja+gWafAb9Van967DlF
AH07aaNAXsaxYWCNBBYJGytI3haVAUyyU1+UUoooZYJs0GgABgZkiZGGJJG3mpfhTZ1jfSim
yEl9GHggQXUbsWkSemBKyyAHhEogQY65MIABmoFVpxiGEP1JEGGBRicBoZgyUN+1EtA5GZF1
xkaRpB8pNgABH37GyaX7mHYa2Kcd4pWxa1Kq+RCpGw2wSo01gqoiJQciaOSQ9qFXI6QN4YqR
PKtEeWezN5ZpH170GnCppofZhaxPLmVpKmATGkngGtHeSKxpa65EXpboyVopi80eQm65E05L

WZIpKVZQZy10JiKNctIZ6JypgmhAnyiRdxABk2EpT14AUBouJ/NGlosXtgh8Y4v41qTwQYGH
iypsNpYLRGBivpYmgx6La1C0moHqK72/ApsjnwI79xB51PVLs4pk5mhruiUNvZDPP6tqnNHb
FU3RzEn/ynSGTk9EZMVRT7hgYyQtNhGg1WbNSVvdTQRYgmH/PCJIyhaEs00A1Yc21pPwjbvG
3XivIa+BLG5Lddk0KvCfAacmSDeLVsae0J1rn4aS1wvFDTkA8gS2ouIGrpJjnAdzfdKjB911
AOELW0gbAU0uEtiHhU1t00rnfZsm09dpnSXU1Pn991IP12vbXZHd9+23HcNewPHIF4DAAsw3
z/yTt0WigPMLKFAfcMAWiaju3HZ3PPXgh888ApYPluMBCKSv/gG01ptg57uPtLz49DevwAGp
0kiYm08Ti+DJNVpeAZpWkvnVj34KQACZb1SYwuTiAAd03gAJiJLkGTCCCVrgXth3MhZdEHZJ
c92teDKA5JkweYQbXgmRJ5cWMiQgACH5BAkFAAAALAAAAAB5AE4ABwj8AAEiHEiwoMGDCBMq
XMiwocOHECNKnEixosWLGDNq3Mixo8ePIEOKHEmypMmTKF0qXMmypoXMEXCikmzYr6a0CPe
zMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1JdeuKb+CPS12bMmyZkei
TRtyLduPbt92jCt3I12aA/JiBTsg1yE2h1a5vNtS3qq/bBIIfGrD1qjwFChAnZiNYV7GHgmV
VGDCROTJbDhZ5nQocGaqAzp3dgCaDeaDAyYfIjA3qjx2qk1oywX6tUEDoDn5xqgZpYHcnbVJ
Hk4Q0GjadqMeR+55MnN5Ap1PzswX+Enc+9SVJx50ADsA7Y1FR186ADx13q4HDoA+QB760N2d
tqfemV1i2gMYIKCA9Q3ACWgG5LfUbfyZ4B8bBuRC2mSccCLggZNBp5F3JT3WoH+1tQZaLgYg
doh5G0ZFQG7asMN0iyLgmMuMs9VWVF7YcZacA6XBF2Nrh1h4W1AG9lifNsmxc9+PrSVoI0/y
+JhYLgQQYICSkGUn2X2HUGnAKhUKdxGHG8kzH4at5RIgJ1KGdmCXiKHJh18WHoihejbhNMBf
WQbn149dhgafnYKGZgAnVR6qIUVkYkSAj3ZmmcthIkPIm18ShqbpoXQSwFyeMfV155voRfij
hRGWSKeg+11WCNiiY9JkaWgEYDjjZF8CiqqpFXYZ4a2JOZ1Row/Jg6JA1xpAm6W1brckKz00
WCEJp1L46UTENqRXQWDOWJCBsv3JZHpsgtalUgiOm1J5sF1aEAFZBtlnaYesIaKvh54757EW
ZZuQP0wiZ0ax8sg55YSA7WrwIQIy4IEEFfp1LbYmASzRkumJ+1evre0qIM0IKkgSrA01q6vB
4io2IKYhiywSyQ1hdGSfbyPYJGIFDjjSxQjKPS6G1EZMIkr8G7ZxQzz7/jKDRjJbE9EE1Js0k
wtbC5fRE8Nos9a1PS0T0txIF6JfWCW8dLL8pjoz2QgQeRjacSQdJpdVXxj9KJW0P0hsjnGv0
7Xff9IK5b84jN2RfWADM57aMbtPruN6hdQ3R1wYBPDHABqWn8LMiskma46sIHq7kd1F+kJmX
XVY14ggdWumAsPsoN4GXrU0xXgXkrvvuubfZJQK61yoZq1TP2aXt0qG0+wLMN+/8880rgJ6v
ByCagIQRxln8iH0qWxIC0Icv/gIHyBlmcBmTLaiy28b6/fjwN9/mjyxXb/391udOuPK8FwC+
+Ag4QITCFkbhsY93pLtdV1KH07o40CEBAQAah+QQJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDB
gwgTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlZJsXqLlZBFwopJs2K+
mjgj3szJk+H0nkAP/gxKV0DQokGPIu2pdGnOpk5rQo0acyrV11avtsyqdSXXrim/gj0pdmzJ
smZHok0bci3bj27fdowrDyPduhNv4r2od6/NsfIGcBq8Sh7Lviz1EeDEpnHjXIe1y1PA2HHj
Qw08XiWgzQS7ypYJLBxAIDNHxCgHdDZhQhvoxpWUDsjF51Au0RpRm5THjrVvbQYsx05oAPQh
3Bh111Tgu7mCQ46HIywu3HByp/JWN2dNGzZBefvWBVK3bCCvUwLbnUcfqDg8g0CW2ZS/vtRA
et/sHIs0TKA0AevwkWdeUYHZd59n1/WXiW5L5FjaAPIYA1Jjxw0Y1GycGHhffrW9dshg/Q3A
oGWQWdiTYI0Z0Ftz7HSmQHwwwspGhAQEe4p5Fyn3UnYwasuYAJwoEGKNwDXJiGye53DhRjhsN
QNq0tuWinWuDDTnkITQ6tgp90K0C3Wu1sZGLAgrKUqWVVkpophc0kQAdGvKGN+MMNomYXwT
XmZAaQCYxldNi1WWIZxEjjjInbb1KR+FDfppokvywInoYrA5tqCRc1aWS6LRyRncgo7+GRN8
NGZmZo0wjVcng/sZ7ijnYEZCtwpYOU5GHJLI8Seoq3U2S000n17qmAGhUsSkQrQaJM9tBqEo
4ypoDrYgg90VSAx89U60n8TUVqbl46tgSiia1w2I6vUbiojptniWFJg3aq66YSHrEKjoRTC
OlieNCLa7l8kFdvQspha6iWijJ0J47QMMEAqNAJLd0xBESu0rJyWRemhusLdy4AEwX0oZrIA
iwRvRG+iGS0SeZ7765q5VCxxwBKJqLKVSO77obRI3qakuyPJjNBsN6ss7csNktwmSOBFNAC0
Rcc4rarDejSxQUrLBm7UXMtndUKQqiQio10XjeXXJWU9dHHk1o3mgmiTpJhDEcpe0265K4MZ
o7jj/ru0ydxavCeEBJg5rqL5chwu3wXXJrROKTKpsGKBA1Dg07Eirmfm49rrKmansST56DIH
JuIqeJ+L6CqrLKg4lsQ6mZtLAXRg++24515Af5pbeu++5mbI7qSPglR7AQgsoPzyzDfvPGV1
wnrtmViaCfxltMX8t0fJ0+/9980f0LuY0X+p8Mr3hq0tSN2D777yd948b5H6worA/QeEftLx
t7fvvgIhANyQZuS/5SHgdhHjCf92R7oGSg6BfongQAICACH5BAkFAAAALAAAAAB5AE4ABwj8
AAEiHEiwoMGDCBMqXMiwocOHECNKnEixosWLGDNq3Mixo8ePIEOKHEmypMmTKF0qXMmypoX
MEXCikmzYr6a0CPeZmM4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1Jdeu
Kb+CPS12bMmyZkeiTRtyLduPbt92jCt3I926Ge/ivah3r02/KvsCl1i4pbwBqzgp5mSagLyw
XQcQ4MSmsU2uQhApipPgQJt7HJdmtmxgAmrCJzubWG1Cm+jRnEwnPCw7L1UFRH0/thx7tgFO

mTWiLjkgd25thy73RjggORtOmjEOJ8nOeG7KlnMp3I259t+l+/K0WWet4HL0gfIeA5DnvPIh
A9KdFh+/mp3lQ+oFEjg/YDQb+HzJR1992UlmwIEEDKDgfv55R9F0Hx2WSy4DmmAfG4fkcshi
E+ZiwGMEjIZffEFNVhkn4+VSXXn+Xbahh6N9SGJNtMlDQHuh4GZcLpywg12Lo03onIbaBViT
iRhq6GIu4oHGtNncAemiARnmskqRFkFoEZLPtXeZh+wYo0SJXroYZGkK5vfdS/L8dsibqwx
ASdlejmc5hFWZkBSzpo5EsEiEaAjDdi+ON7dIpY2Z2kYXjicsLFRGeCA2H326LAtchYh2Xy
SRmPB/q5pksKFqSgZJS9VyZs+x5SeR+foPKJoW02iaTmRHI+9+Nla6zhHo+bnsijne0xVitI
6V2UKyeruPjms7wRCWqru/Xa3YwfiRrRshr6ugZjBx64a5XDJnqimM9pC5GWBKn7UKCPvuki
Y7sq5i5l0I6qkfuNhTood36x6PA4Upw4H0iQXdstltu6KW8QA5MWrgYMEDkc+f9yTBFuUop
5YbYZRjugUT2u66tJi0kp8f+KfabY2ICl/HCH83sUHMs53yuqy6nfLJIA9zakKw6f6xYnT4/
xK6pEhFd9NPpzKWSjRE5DbX0+tKM1M0KGBDKqhHXK+W3uQidpUk2mn3QoHQeYq3HQgZLK8T/
vHG0NEJpK9RmY4i17bavQKra69xvMrsr1/sSd6qaklE6kIJWrvI13VM+++wq6J6boNqErVTA
5wiELvoBoC9g+ukLIBCu2BgeiLm4zgEnZoYbrsK50iQNUAACqPfu++8KHMDofbKtFbNjizXK
BuI/i/T789ArMLyuMcCHKssiH4gtSLqXDj30ruY8sIf3KtbqgQcgUECknn9ewPemI8Aj2FMA
wLvvn+etEN3W9S9+/o7lQAHSIDPDeaAAAgiACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIEHiw
oMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmYPmTKF0qXMmYpcuXMEXCikmz
Yr6a0CPezMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1JdeuKb+CPSl2
bMmyZkeiTrtyLduPbt92jCt3I926Ge/ivah3r02/KvsClIjYpLwBnBIrZjVgAFakAwzkSnyI
jeXlnAw4ZlK4ZGQD7EyY0Mb0QeXLljltdGxUHGfEF2rSJnm1CAerLBDj3lGdAAe3fJnLd5pS7
cWMCBpIrJrDaLk/ewIGzQ30ouXXFiW+zySWPY2e0+wNkR6c9HTP2xAaya2djwDtpA+NNhBZd
/lCu09Qnq0fNyT30yPHl4sBowrGB33rVcaJdLv7VB0B4iWlT4Hrr5TKhfd05958B4gFH2WWH
HCgZiJe1xw1jHn2nUWS+zUYa0+woaFkuyTHAQHqnyXhheyCpqBFvsJHHyWnVeWCkkRJIVpmC
9m13Y1v/IXdIZkESSF1iGBzpAQYGVcCacZBI82WNNBBzIXnL6DXdiLhIcyWViNKJpAAEZzkXT
AGZWZ6Z2U9IoAZfWxVkgphFxp5GPFrmgXWZ7UjhloCAqSF16lvGIEaIUdammjM0tQiOnFKKm
6GLNWYSprK5JNhlM+6uiZqEBYTIw4W1xynkic3VeCpM8FmIGooUhXkZj1hL8yYCZtRqJgYW5
2emSa2xkZ6GCg+ayCpHnYydfdrdbNCddLvRI3AAGrTonZGqH+StmJ1pXa4EqI2ddscpaZm26o
fSbXLJQtHabZQJIPd+9tU2Y2GY3ufosTpQPzOWlyuYqEaMIPDTBrw456S9LEfKXWKMao7ssv
R65VxBuoIDsqssIdlUwRrx+njNnKzn40QMqPEXDtwPtRqCidI9t880QEDHkvnBfzFy3FeZFk
nERKHrIGuvh+iNoquKsIUmuDc1QqsldG6LU6Z449aMhWsqyYeMa57ZxyDEn0GFikodI9Xqc
Y03po1pvHdMABQQu+0AHSIaydgIXjJ5+NPZNmEqCI7DA5JRXbvkCCijQasb34X3ikkzrdFIB
l5duugKaVj0Zmh9/GTpEpxpEuUm0V35AzIu1RmPhB+gH579+jyR47bT3fjjB91E5uQIINF+A
1++mBPjgBUhuevP6BbugAQdMjoDgr/0l1dvkhz9YWgEBACH5BAkFAAAALAAAAAB5AE4ABWj8
AAEIEHiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmYPmTKF0qXMmYpcuX
MEXCikmzYr6a0CPezMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1Jdeu
Kb+CPSl2bMmyZkeiTrtyLc0BBDhxyMvggF27Kt2+1JeLDZtDuXLNrttAXl6q8g79NRBYLqe6
LPWivGuX02LBjuUOMECgMErJJDDjHsyYk+JDcx0fMsB6wGee8lgr9ksbsN/Hc1n3XdyZbM7Y
s2kLByx3MQMJHhhwYuDBAwYCjKf/HLBbuHU2c/8ywNC80Qbm+80lRK/JV3jm4rcPHQLf3Tvy
5q5JSu9ow08hdUXM6N+vILiB9gC+54ECZ9FEgF80aL0ffuyoZp+A7UlgAHcMGMBagTDJY5oC
C5qgjWW30cYJh0EZICEGrBmA4UsG3NehCQY4wI4CpokIAYDNpYgBBQ5AJx9M10X3on401Ehb
Lg5ogKMH7wBmgAKGAXBXlB3NlxEBDgypnwI09DecARNkWEF7DAT32GYpEkDlRlZeFJuWC4KI
2m25THDBnRc4ENxtrDEn4ZoaTwnRZnASySdjItJlAIjWPdYnZB4JWtEAQmr54V+5vOMBotd1
ih1rvX0kkUWUftogdiNuikF1+54KlwugVb5UqpY0hsjccUwy2uqrasmqgIveimciQwct6hg
nh6i5o8vcdihNgpgZp4HEkhQHWrn0RUfsy7J46wJ7NA1Z2C30dfidWfC2muGT+pqXV+c0JfL
nn6tsu1rMRFab6frtUjvY5HRNG+r5rnrF2cBZ7jKIWtct2+ngv14WEz+0jsnwdj9tcpB8ngG
0qiDxjVYY4A970kqhnU8wCqW5dLWwSwxmJJA2NcG3XzohYYr5G2RBmaq3X6mM3vKqbrvWYq
dFdBxdWxqGLkE12bu0gH0lnVUma8qGnu1iw1pp3ZpS5GICcUKsdG54KmadYefXXt41tdWgM
+4ktkGiPzYys3LVJ3LNIHU8kDwEsm8e3dcv+HZLfEHfQndeHYyq3TSIxPpHjq6zScOR/2Wc5
2SHJM/lDMatnss2MqhgrSJ+TOgvLDFuHLb1rrLHK3myozlHZoTuuHsScrIHa7QasMlZrFvEO
+ACmbT7cKrotXfTgrd3FMmajI6T8QwV07z0CC4Qv/vjiR2ukebksHPttcj2MGmrIJ7Q9Qt2D

T/79+JOvwAGs8n1I51vb219MZh10SGR+BbFf/ha4QAQcwGmJKs1wT0comSmKM5CCCAIHuGAG
evB+CJCW7EwGLzYo8H7xk99JuvfBD4bwdK0qoAnxh4ACYM0nJisZgPdaSD4EnK9R58mMYBC2
upro0HtIROLPwvazJt6QLVAUSEAAACH5BAkFAAAALAAAAAB5AE4ABwj8AAEiHEiwoMGDCBMq
XMiwoc0HECNKnEixosWLGDNq3MgRobwBAzqKHL1RXi50uQzII8my5UF5BFaFJDIAExs2h3Kt
LPgRpM8B010KhSjPJ5s5VQYvevK1z4AAGEjxInepBAoGgQ7N6zLX05qGgXJceCvmUqtmpDOT1
9Km17YCuYnfwZGM0FwEMZ/NWZUAVg4K2WQ3AXZpLYM2cTPUqxhB1KgYCWwENPcyJ0yG4IQkY
MHD5neLPEvA6nuky32QDChSwCxt3M2cDoj/rbYx2qGmhA1Cb2K3g8tJVrg3Q1p2XMVUJtiez
282cnVG6mw8JJw7aLGmWt10aWM58tzYH+0s5s8lF/TNfqtdJZm+5vXt380NvGiiveLgHBkLX
s2zvnrmDQ0ZxQp9eDIiGwWZ/taQfSfz1t9tJN3ES24AeYMDAZhg6FppQzXYnzau4eQAhVNJ
EJyJJhrAoVAEc0eeApyIFx4HJHoQHAMcOKCAZiu6NICLzHGFwFeHTEAjhSkaMMEFFySA1XrK
ucdOTgbYZEAuvuVywZH1aXCBA0sy6WRyuAFpAjvamFCldBkKqcAFGLDHQYXQLCZA5smF9W
Zu42ZWXzVegmk3HqpQGdEwhzWYwM8KXinh06OCWwNDRm4SGHvMnkppwyOQGmHAWXHpQdpimL
AoKxMRwD+zZxogCeYTKZgQPCP0fVhSp1tSBJLfa3HKjnSRUaq0tVZqytcEHW1q4j/ejgma3G
FqwEWA5m7XhPQiqUPAY8q42QwQYqLGMQXostYAAw01K3z045nmjDrcpqZV5xMqquWvX6rJDC
oQiVBMEaJ6wBIKFLkLoi0fusAhEGR+UAEkTMAAERS3AvugiLxK6kXMYyis1nPSowQ513JG+
vopnwCQs17KKTCsX3Ba3pkppE10fs1x1Uw+trWa+G3fHDgADXJazzpwo2xAB1HjhNCVKF2QA
JRdDZHJHuUkqEGecsNxyS1RnW5ApTpfBR9RC2QLH15U/dDVJ/eZgGE2++U8tdlQiw0A2Wab
bQpBBLBNid5Wo8utmaQJlgvIfPBByeNNe5F3QQT0bbktKwXutC0Zwd0Rtwo0F9RhpdyuNmm
P20KUABobnnfpzvNh9tvx6wZ0zswXNVmr0v09t0U/F62448L3/ffnccMQE8GFXVI5K8bfz1p
8kBfNuYaeQ4YAdL17v3mT8IEPfbZK69QUZzY4oUtwUnfn/kH+UT4RNoDJpgBjhvA/iy5pH75
/KQyH0IIQJfUsa83uQCJksAHNZLVzy2XyUXTKFEK18UIgFp5YFts0j1K6OwQMBNgupqVNoq8
BSePa5117CJCdTZkLTORX8+MMrWc1QKE+7kynwsfAhICkKaECjHKIdjntZ1dRYeGG4APG8Ka
/n1tEpxhoFJ2iJG1jA4rb6GXAY4Wmu1AhnbyEaFPrnKdotErRk8shWWeYqK0yGMVGRShQVgn
ECvJ54kgywleQk0AysRRjjwBCUzYQAAHhU1n0+IaQ+h4ESp0hoBKtEkuJlagYGEpJyeB40Bg
ghJ5AAiDDHHkUIpyFcFIx2tRydB96rIU0pyQXmwAYygB6RSUkMawfcrJzhoDFdY8x5VM8Y0s
FyJkKqJxiFXKjXgm2SjRlIsuS1HaCVPFM4sUUyM94SBXEli15V0JJ+fhCwMAFCEhVSaGdMFU
JjFyzSqG/CUXKfFhb6k6yEk6+q0LEWoU6x+MbTsq1K5xgpXXfeZKCrKIyheHwoq6kzQAB1G5w
CWgj5ViUBPqRJhE0DGvqNYBV1PM3h11UXQRKSwJK1CC5QMPACH1BTH2xYSfh2Q1jKUIsAhJL
hWFIIXGSNMNESImbkUsrN9J0bA5ToUzxKV0go5mmZLGaNgV1z7iHE7IsdaUg/EhPOVJUg51k
UR8BEEHe6NKLElWqExnAO/t4UogCaCxcRathCkDXutr1rkTzTXTSQ9WbaLJ8I6krAhZA2MIa
9q6GTaxiF7uAaqWEDXe16wHEmsyGdBUAg2WsZjfl2cR2LIKLPcBlMnVWjj8UoL0oTa1ie1Ms
BSSWrjWxV2lNe1rV2razoo1QAhaAAG2RZACRjextcbuoBFTWmspD7HAZmwB4FkCu0BVgQAAA
IfkECQUAAAAAsAAAAAHKATgAHCpWAAQgcSLCgWYMIeypcyLChw4cQI0qcSLGixYsYM2rcyLGj
x48gQ4ocSbKkyZMoU6pcyTKKPAKc0BkY0LImRgKH20jMRcAmQ1g+C66SuZONAQDyBgwwwIEGC
gacGFChN0oDAUwJKaYrMx5KqUoKrDHBikysmUwwe0qpdmxYDAwYS0Kp10hMkV5UDxuo81FPg
qlxkDcBlS5hwU6Zs3fbteBc1Tp2Q+QoUmwtx4cuE3xJ2q3VjY5MEIItmw0mePMrvMKsmbEDu
WgxHPTv00RqyUg0HWq/e3ZaB67mLMX4e0SCn3to8yFJentZAYQbyNA4PWZWddQ05aEMmyoD5
cgn7c0MCjy7cpAIT6NFrEyuqaATvu2FDFTzfAhmL0z80YJe+vwLAKIn1HHyqzcdAfU91V1F+
Hg2gTX/9aZMdaQJmQCBm8KGV0QEE3LdgsQZACKGEnExogAMXcHBhYRxAAMF7bXUoHYgiQsh0
WwwcwokCF1ygyprcTABAz1mYAEDCpZHUog1mmCdAgboJJgECmRwQQY/rpjBBAow4IADHHqY
EYMDMSmiNuW4QFQuMIKHyo8aqMicBhdACV5sH5HJKZ1NqkkWjB5gQCWdPfqowaGIJqqBlT2C
2ZpTIem5EZ8jjgUYJ4Cm1RRcD1BQ6KegTuBAZfPJaBeNfeoYJab7azW111t0zRfTrHrJNNVI
kmpEaXo38oebTK652hagrpaInacBIdrSQM0qc2DN6rK1GGuDabpX09h9RVKuWbkYJYPosa0A
WVCVUsptl1HVFFZwaSvmSd1itB+4JijAjlNmTqJvKUMF1VC8F532ILj351KKvgjzu4q/CAEc
8HkEx3QwwwpMozPBBd19EwMBNijVxwmXZQokpSA0w8rsrZXyRARyLGKUBFBtAiRd8z0yFKTbT
nCRStpBsksoWCdzkvTDra4AXSNMSc1JI81Hkjb7TBLQQbNc472rHFwKH00jbUvXTt83QNKU
/KzSS9ZFCBMnB38Nts01c+10T/L7cD1z2SVRjRFVCVjXE2Dm5gw20iPLTbjNBPRsNsMDGHX0
4EnzER0Bhke0cqQX5yWT00+J3PRipnQteUp6g8RJboTbYoDqctvioSly8yE1vBeFRhbhNnti

VYIGeZXyxQBo3rQtthYm2yzA145QVZc3FJrbXu871LI2KZ/QthIVx0n01CRc4s4tWa8QVhNF
aYvc3S0Mwy7g/y6SV1U5NEBZNqePcHY8EaQV9nmjRBVD8gBMLuxGsYrh5hCzGMBLMEAAncRr
IArcytmqkhXyFWR+h2AAzT6mv1Ucgk1oYQBtcmGa7HBCgjZZykFCc4iZ2aKARm0TB8Ajr4A
6IT7mAtKA2dCnsaRhQ98KFrCutMdDwBo02WpSw795ZWnHOKJA+QDB0sxFwbUxij9Ax5BYiLA
mmmtFANKyxHb0z60iK9BCiWLABpYs9a4JYRXzBH1BpKUKpWRIWfkiAdzVJYS/tALgPLNcZDD
PoPA5INj0cQdFZJHjRRnL6ejG/4soyntXLFEwXkkaFYyx4Y001s5kcxS+oKTQ7xDLhgYYw1L
RBtT+fCJ0pIJRT4Zs0wcYmEckYe0aPKYEjFA1QGKJRKj07gJiSYXE6G1RcbyQIKEhg00yUsc
tzNC4+AveJFpTzIZpks+FkQv+wNmZI5zutPpSJHPJE2tmsfIi5XypY8EKUtpCIKb2jwxSjka
pKXIKY9mbjNz0VokUuq5Fw/iCJEAys0Tj6mkzA10II/ZC4dqBc1bpf0D7HSIM10iSdJic5MK
emRuZqRFifRTosz8YJIAhKeLbFQ1a9QJK/nyLny2FD81pUgAc7Sq5Y31ph/KaUIKQNQCJema
v0LIToE6S58MoKhQjWoBELCAqlq1q1I9AG04IVWoYnFMJJEqVa9K1rKa9axWRcAN0arWh3oS
JAVAAqlznSteqqKCrpCkrVN36Vo/Eta6ADaxVx0Waxfm1qIJNLFsLUCLDnuSpUB2rYqVakDpm
sSZy5atQN3uxgAAAIfkECQUAAAAAASAAAAAHKATgAHCPwAAQgcSLCgwYMIeypcyLChw4cQI0qc
SLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cU5Q2AyRAWTPyVnHaySmXPIgzT+a7
SXDAoUNskrI5RGDAAA1Qo0Z1YKCP06tXRQ41CoDAoVxKD3HCIAGDh7No06r1IIFB2bMSFDj9
yXEi0Vw72eR6J2Gt379w3Z41ayCoRrsnBxhYvJjAwAGcDOjtc7iyX7Jm2TJQsBExSX14kYbN
NXNArt0ZLatW+9YDhqqHE4NVS1uv09MMVutWmxutAboXPYc0ILO2baa5eu9ejrnva5mGJwr/
KI8nJ3bs8tZevLz72cX7VB1XbUpxusfF7EyoV68te/HI1L2vpto2vAIGBMhL/6xA2/r/6rEz
W2Q0yKcbA+EzkkB++400gH8AAqjATos5oIGBqmWggAMQYICBYxiZx5EBEef6HnQ0zHaLABB1g
+BcHGjJwwQUORGeRiBuRWKI2DiA12SEG1DfBjBpw4CIHGszIoQMJDABciA6mtym7BoSWC2VU
yThjBkUup0GSF0wAAQNOFYRjRjqWaII2X+10ZVoYMODAjFt+aeeddtLpwJ5BSmBASGdilGaE
bEbGiVjxweWBNHv0SeejdE6wJ4WMEfBKR4FeNCiADnDSKSdscJIOWWm5xRgEC1RpXXH7e10K
UqYWbFqfAiawE2qoiUKVVnzxuYUXbZyAWBKsFckK4KGgwpCZA6mRqqhrCMoDXZkoEUsRAWqu
15NkkS1WinhQCXYWgm3RZ01E8kippgEohmpAKZPE08m3VU3rJFfnTkRrtu3tdAi88s67yio2
cgVAvhI9mG2teQE877cD0zmALba4+hLCEqmRpoBsGBCvAZRQYksutvBhCyVeeMFHUNS6hHFE
AyySnnGczItyyibzcXPK1MhDQMjCsvRyRBqXaMB0pZSS8tKUGLD00ifjHLRKQ00UgMzsiJX0
0zxz7QXKfPDhRcUtVQ1R0RIeupjX000dsi0qFyzUSfL7JID2mgSAuvbXS4utsgFi+62zF3Kb
ZHZEPMPhngK0gcUJ3G03nbJTfqqf8c+HDWjSXRpbSRUBSTn9NseWTA2DK05gbj1LFWfxnVsdgo
Q750UKaITbbLGkFnsU0gLYXyzTtTQpBMu1fb0QBNFa+QZHoN/vfJhR18MEgyJQwqGyUvnTRj
yq90eELJQ8Q84NrpE5pPB1UPQ0oeFa8QdJYypNhSsgN89FeXyp0bpcHOTtdWCPFKUnLhN1PI
SwFHCZaT50EnuICFKabhrPeCwxKZWUu1aEN+SjhMAQepSpmiRNbRH0IVSR1FVqhsfIGUJuv
pMxjb+REbkToGgm8gzb7uTgKCGF1E5kwD0hIIZnKHDYJA6DFWQxg1Sri10Ki6CQXVZmNEPKa
sG/BqSysWgr7MuI+jHwuKRS6nhA5WIrcTGZR1wsLkBBtMoFgZYf16eH1DiETfw0wcAbIjIf0
csMWAveQawiVY3qnF6TAUSJdtEjewAiA3o1lgHCjBJziZBw35c2EYMyJUq4nwTjSxDozmU3H
RJOLkMHPUMfJS5seKcg0cpITWzxIIiviuD+xMCMHUAwJrwQVVIYKVEcRJSdruZTzIYsNsTTI
LCkCmUNJiycz8VkaJTPAHGISjGB85PW4JcBcNggmkG1VAHMYSgoupSdh4eStRC0ZVejuZpM3
uZdCTLOKNRwFkMU52i9VxRNRisWbFJReQ5yymFzoJiIu7FhPkJcsvEwNngJliLQG8sA0giVo
zHtoRzbJklU0Bn2PSUoyG8LR1bg0lwZyC1HypCSqiSc7kIICwHKxYhSRiQFMwos02PTidyy
kweBDEhr210YMTih8oxNUSGSQU4YL6IFiKpUpzpVGznuqSEZQFQRsICuetWru+XqV8dK1rIW
4AA9EstZEaA+kai1rHCNq1zn01YEFKctIXkrXffK166yVXU10SpVqdrXvmK1JXotrFzvC1iX
JBasg6Vqabxq1wKwdKmYxUhAAAAh+QJJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDBgwTK1zI
sKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJMqQ8Apw4GRjQsiZGAofY6MxF
wCZDWD4LrpK5k40BAPIGDDAgQYKBpwYUKE06gMBTAKppiszHkqpSgqsMcGKTKyZTDB7Sq12b
FgMDBhLQqnU6EyRX1QPG6jzUU+CqXGQNwGVLmHBTpmzdEpDn8S5KnDoj8xUoNhfiwpgJvyXs
VutGxyYJRB7NhpM8eZXfZV5N2IDctRi0fn6ck3RkpQY0uWbNuy2D13P7ZgQ9ckB0vbZ5ku3N
PK2BwgwYDzdZ1Z1A71qRybKoD1zCftw4waXfpF4SAUm0qfXJnY0UQneeceGKpi+AfIVzX8c
wE69fwwARSbWc/GtRh8D9j31WX41DaCNf/5pk11pA2ZQYGbZQZWhAYthpJ9HBKAioYScTGia
AxdwcGFhHEAAAXtdTgdSSGK6B87ZbFxCcCKXHCBBiuuxcEEDPiYgQUML0hhSTXaaJ0CBugk

mAQKZHBbBkCumMEECjDggAMc4jffjSE20yI4DR0UCI3go+qiBis1pcAGU4Mn20YcdlWkjmmTB
6AEGVMrp448aFGrooRpY6S0YrjkVEp4c6RnhWIBx4mdaTcHlAAWDdurpBA5YRp+MdzJpY3o0
7BilpftrNaWWW3TRF90sesk01UiQbiRpejj2l5tMr7na1p+uAlqWdpwIR1KuGg1wqjYP4qgg
U4e9Nhimc8GH1VcoMZuRg6fyqoBZUJVSYlt0UdUUVnBtK+ZJ3mLEX7gmKMC0WeZ0om8pQwWV
ULwXofZguPfmUoq+CP07ir8IARwwegTHdDDCKyjM8EE0X0TAwKeKNXHCZdlCiS1IDTDyuyt1
fJEBHIsYpQEUG0CJF3zM7IUpNt0sJFK2kGySyhYJf0q9M0trgBdI00xJzUkjzYeSNvu8bEpC
i3jvKgeXwkfTSNvCtdPkDZA0JT+r9JJ1EcLEycFef21zzVs73ZM8W/vPTHZJQGdEVQLW9QSY
uTl/jfTIC9uMwE9l83wAEYdLXjsfDBG0QGQo/zoxXnJ5PRTIjctnClcR55S3iFxotvgthiQ
ety24GdK3HxIDe/FqJE10M22WKWgQV6lFDEAmTdtiy0H5zbL76QnVJX1DYnWdtf7DqWsT8kr
xK1ExnGSMYUJl7hzS9UvhNVEUdoSN/cI55bL976L5FVVDg1Qls3oI5wdTwRpdT3eKFHFkDyA
yUXdKFax3BxiFgn4CQYIgJNkDSSBWzFbVbIyvoLl7xAMoNnH0reKQ6gJLQyoTS50kx10RNAm
SzmIaA4xm1sQ0Ghq8gB4Rs0XAjnwcvTBYeBmPM4svCBD0VLWHe644EAbacsdcGhv7zy1EM4
UYB82GAp5sIA2xiFf78jSEwCWL0s1YJAaTGie9jHkfDtJ4FliQAXa+Yat4DQijqaHkGSUjIy
MsSMHemgjspCQh96wU+/QU5y1mcQmHhWLiewo0LwuBHj7MV0c7vfZTC1HSuWSFm0LM1e50gQ
RjYrJ5NZS19wcoh3yAUDYqRhiWojoX46cUcyoYgnMQJAjy5MIPLYEU0gUyIGpFJAsDwiYxg3
odHkYikZvMhYHEgQ0bCBJnmB43ZEeJz7AU8y7kEmw3K5x4LoRX+/lAxyTGe6HSXSmaWpFfMW
ebGy80+RIGUxDUFyYxsnRk1HgqTU00XBTG1iTkeKRAo999LBHB0yQLpxojGX9Lv9iU87uoGJ
TsaSfc1JZoQMzSJEMlmaaGpyQY7UjUaSuRJ+7qU9piMkPKU0Uo10RI0TzQ5f3nVP05XHPRMB
oI5WhZBo2tQijB1JAYZaACX5dEcI0e1PGYRCojr1qQVAwAKmStWpQvUAteEEVJ16xTGFBKpS
rapYx0rWs1IVATY0K1oD2kmQFMCscI2rXKeqAKyWZqx0ZWtbPflWufr1r1QdV2kUx1eiAvaw
ai1AiQh7kgE8NayIhWpB6IjFmsBVrzjN708CAgAh+QQJBQAAACwAAAAAeQB0AAACI/AABCBxI
skDBgwgTKlZIsKHDhxAjSpxIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJsQXLLxTlDYDJ
EBZNg/JWcdRJKZc8iDNP5rtJcMChQ2ySsj1EYMAACVCjRmVgoKnTq1dFDiUKgMChXEOPccIg
AY0Hs2jTqvUggUHZsxIU0P3JcSvRXDvZ5HonYa3fv3DdniVrIKhGuycHGF8mMDAAZwM600L
uLJfsmbZMlCwETfJeXiRhs01c0Cu05ktq1b71g0GqocTg1VKW6/T0wxW61abG60Buhc9hzQg
ujZtprl67160ue9rmYYnCv8ojycnduzy1l68vPvZxftUGVdtSnG6x8XsTKhXry178ciUva+m
2ja8AgYEyEv/rEDb+v/qsTNbZBDIpxsD4RmQoH77jTSAfwACqMBOizmGGYGqZaCAAXBgGIFj
GJnHkQER/oedA7MdosAEGWD4FwcaMnDBBQ5EZ5GIG5FYojY0ICXZIQbUN8GMGnDgIgcZMih
AwkMAFYIDqa3IzsGhJYLZVTJOGMGRS6nQZIXTAABA059hGNGOpZogjZf7XRlWhgw4MCMW35p
55120unAnkFKYEBIZ2KUZOrsRsaJWPHB5YGce85J56N0TrAnhYwR8GRHgV40KIA0cNIpJ2xw
kihZabnFGAQKVGLdcft6XQpSphZt+p8CJRAtaqiJQpVWfPG5hRdtnIBYEqwVyQrgoaDC1xkD
qZGqqGsIygNdmSgRSxEBaq7Xk2SRLVaKeFAJdhaCbdFk7UTySKmmASiGakApk8Q7ybdVTesk
V+d0RGU27e10CLzyzrvKKjZyBUC+Ej2Yba15ATzvTWm70YAAttRj6EsISqaumGwYEK8B1FBi
Sy628GELJV54wUdQ1LqEcUQDLKwecZzMi3LKJvNxc8qUyENAYMKy9HJEGpdowE61lJly0pQY
sPTSJ+MctEpDQ5SAz0yIlfTTPHPtBcp880FFxS1VDVHREh66mNc7Q52yLSoXLNRJ8vskgPaa
BIC69tdLi62yAWL7rbMXcptkdkQ+Y8eeAo6BxQncY7eds1N+p/xz4cNaNJdE9tJFQFJ0f01J
5ZMDYMrTmBuOUVYXGdWx2ChDvnRQpohNtssaQWexQ6AthfLN01NCKEy7V9vRAE0Vr5Bkeg3+
98mFGXwwwSDIldCobJS+dNGPKr3R4Qs1DxDzg2s97mk8HVQ9A6h59rxB0ljKk2FKyA3z0V5fK
k5u1wc5NN1YI8UpScuE3U8hLAUcJlpPK4Se4gIuppuFE94LDEp1YhS7VoQ35K0EwBB61KmaJ
E1tEc4hVJGUWwqFJ8gZQm6+kzGMH5ERuR0GaCbyDNvu50AoKAXUTmTAPSEghmcocNgkDoMVZ
DGDVKuKXQqLoJBdVmY0Q+QCwb8GpLKxaCvsy4j6MfC4pFLqeED1Yity0ZlHXCwuQFtMygWB1
h+Xp4fU0IRN/DTBwBsiMh85ywxYC8RBrcJVjeqcXpMBRI120SN7ACIDeiWWAcKME0JkHDF1
zYRgzIlSrifBONLE0j0ZTcdEk4uQwe1Qx8lLmx4pyDRykhNbPEgiK+K4P7EwKYdQDAmvBBVU
hgpURxElJ2u5lPMhiw2xNMgsKQKZQ0mLJzPxWRqNM8AcYhKMYHzk9bg1wFw2CCaQaVUAcxhI
ai6lJ2Hh5K1EI5lV6070kze5l0JMs4o1HAWQxTnaL1XFE1GKxZsU1F5DnLKYX0gkiK7sWE+Q
lyy8TA2eAmWItAbywDSCJWjMe2hF1smSW44GfY9JSjIbwtGVuA6XBDPILUfKkJKqJJzuQggL
AcrFiFJEioUzCiw7Y90J3LKTb4EMSGvaU5gxMiHyjE1RIZJBThgvogWIq1Sn0lUb0e6pIRlA
VBGwgK561atT5epXx0rWshbgAD0RK1kR0D6RqLWscI2rX0c6VgQUoK0heStd98rXrrJvdSXR

KlWp2te+YrUlei2sX08KWJckFqyDpWppvGrXAiB0qZjFSEAAACH5BAkFAAAALAAAAAB5AE4A
Bwj8AAAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3MgRobwBAZqKHL1RXi50uQzII8my
5UF5BFaFJDiAExs2h3KtLPgRpM8B010KhSjPJs5VQYvevKlZ4AAGEjXInepBAoGgQ7N6zLX0
5qGgXJceCvmUqtmpDOT19Km17YCuYnFWZGM0FwEMZ/NWZUAVg4K2WQ3AXZpLYM2cTPUqxhB1
KgYCWwENPcyJ0yG4IQkYMHD5neLPEvA6nuky32QDChSwCxt3M2cDoj/rbYx2qGmhA1Cb2K3g
8tJVrg3Q1p2XMVUJtiez282cnVG6mw8JJw7aLGmWt10aWM58tzYH+0s5s81F/TNfqtdJZm+5
vXt380NvGiiveLgHBkLXs2zvnrmdQ0ZxQp9eDIiGwWZ/taQfSfz1t9tJN3ES24AeYMDAZhgc
6FppQzXYnzau4eQAhVNJEJyJJhrAoVAEc0eeApyIFx4HJHoQHAMcOKCAZiu6NICLzHGFwFeH
TEAjhSkaMMEFFySA1XrKucd0TgbYZEAuvuVywZHlaXCBA0sy6WRyuAFpAjamFCldBkKqcAF
G1DHQQYXQLCZAw5smF9WZu42ZWXzVegmk3HqpQGdEwhzWYwM8KXinh06OCWwNDRm4SGHvMnk
ppwy0QGMAWxHpQdpim1AoKxMRwD+zZxogCeYTKZgQPCP0fVhSp1tSBJLfa3HKjnSRUaq0tV
ZqytcEHw1q4j/ejgma3GFqWEWA5m7XhPQiqUPAY8q42QwQYqLGMQXostYAAw01K3z045nmjD
rcpqZV5xMqquWwX6rJDCoQiVBMEaJ6wBIKFLkLoi0fusAhEGR+UAEkTMAAERS3AvugiLxK6k
XMYyYiSlNPSowQ5l3JG+vopnwCQs17KKTCsX3Ba3pkppEl0fs1x1Uw+tRwa+G3fHDgADXJaz
zpwo2xAB1HjhNCVKF2QAJRdDZHJHuUkqEGecsNxyS1RnW5ApTpfBR9RC2QLH15U/dDVJ/eZ
gGE2++U8td1Qiw0A2WabbQpBBLBNid5Wo8urtmaQJlgvIfPBByeNNe5F3QQT0bbktKwXutC0Z
wd0Rtwo0F9RhpdyuNmmP20KUABobnnfpzvNh9tvx6wZ0zsWxNVmr0v09tOU/F62448L3/ff
nccMQE8GFxVI5K8bfz1p8kBFNuYaeQ4YAdL17v3mT8IEPfbZK69QUZzY4oUtwUnfn/kH+UT4
RNoDJpgBjhvA/iy5pH75/KQyH0IIQJfUsa83uQCJKSAHNZLVzy2XyUXTKFEK18UIgFp5YFts
0j1K60wQMBNgupqVNoq8BSePa51l7CJCDTZkLTORX8+MMrWc1QKE+7kynwsfAhICkKaECjHK
IdjntZ1dRYeGG4APG8Ka/nltEpxhofJ2iJG1jA4rb6GXAY4WMu1AhnbyEaFPnKdotErRk8s
hWWeYqK0yGMVGRShQVgnECvJ54kgyw1eQk0AysRRjjwBCUzYQAAHhU1n0+IaQ+h4ESp0hoBK
tEkuJlagYGEpJyeB40BgghJ5AAiDDHHkUIpyFcFIx2tRydb96rIU0pyQXmwAYygB6RSUkMaW
fcRJzhoDFdY8x5VM8Y0sFyJKkQjxiFXKjXgm2SjR1IsuS1HaCVPFM4sUUyM94SBXE1i15V0J
J+fhCwMAFCEhVSAgDMFUJjFyzSqG/CUXKfFhbK6yEk6+q0LEWoU6x+MbTSq1K5xgpxxzeZKC
rKIyheHwoq6kzQAB1G5wCWgj5ViUBPqRJHe0DGvqNYBV1PM3h11UXQRKSwJK1CC5QMpaCh1B
TH2xYSfh2Q1jKuISAHJLhWFIIXGSNMNESImbkUsrN9J0bA5ToUzxKV0go5mmZLGaNgV1z7iH
E7IsdaUg/EhPOVJUg51kUR8BEEHe6NKLE1WqExnAO/t4UogCaCxcRathCkDXutr1rkTzTXTS
Q9WbaLJ8I6krAhZA2Mia9q6GTaxiF7uAaqWEDXe16wHEmsyGdBUAg2WsZjfl2cR2LIKLPCb1
MnVWjj8UoL0oTa1ie1MsBSSWrjWxV2lNe1rV2razoo1QAhaAAG2RZACRjextcbuoBFTWmspD
7HAZmwB4FkCu0BVgQAAAAIfkECQUAAAAASAAAAAHkATgAHPwAAQgcSLCgWYMIeYpcyLChw4cQ
I0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cU5Q2AyRAWTPyVnHaySmXPIgz
T+a7SXDAAoUNskrI5RGDAAA1Qo0Z1YKCP06tXRQ41CsBoLqWHOGGQgMGD2bNo03qQwICsWQkK
nP7kuJVorp1scr2ToLav37dtzY41EFRj3ZMDDChWTGDgAE4G8vL9S7nv2LJrGSjYeJikvLtI
weaa0SCXacyVU6d16wFDVc0IvyqndepaQaqc6fFfdbA3IudQxoITXs201y8dSu/zNe1zMIT
g3+Ux5MT03Z4aStWzt2sYqr7i6s2pSjdo2J2JtKn14ad00TJ3VVTZQteAQMC46N7VqBNvf/0
7MgGGQTx5cYAEAYgmJ9+Iw3Q33//KbCTYg5oUGBqGSjgAAQYYNAYRuVxZACE/l3ngGyHKDBB
Bhf6xUGGDFxwGQPQWRTiRi0SqI0DSEV2iAH0TSCjBhy0yIEGMm7oQAID/AZig+jpyI4BoOUy
GVUxypgBkcpg0QFE0DAgFMf3ZhRjiSaoM0hd/UEX2sMOCCj117WaWedczqgJ5ASGBCSmRih
CeGakHES1ptreRCnnnL06eicE+g54WIEONkRoBcJ+p8DnHDKCRucvDkWWm0tBoECVFZHXF77
loKEqUWa+qeACeyACuqbUKEFH3xt3TUbJx+W9GpFs5f5n6KfvYcYAAQ0+JdiB8jxHJkrDUKRA
mur1FB1kipUSH1SBmXUgWzRV05E8UaZpwImg1DKJPB04m1V0jbJ1bkTzYotezsd8m688q6y
So1cAYCvRA5iSyte/8rrrcBNDmCLLa2+dLBE6aYzIBsGwGsAJZTYkostfNhCiRde8BHUtC5d
HNEACqc3HCfynoxyyXzYjDI18hAAcrAsuRxRxiQasFMppaCsNCUGKK20yTcDrZLQECUQMzth
Ie30z1t7cTIffHhBcUtUQ0R0hIYq1rXOT6NsS8oEC3WSPAn7nK0mAZ+q7bXSYadsQNh95+xF
3CaVHVHP162nQGNfCfK22Gy7j7FTfKPtMuLAWySVRvXMRkFTTX1NCueQAmOL05YVvj1NVFRnEc
9smPKx2UKWGP3bJGz1Xs0GdLnWyzzpQQJJPU1HY0QFPEKxRZXoL7bTJhBRsMkkwIf8oGyUoj
vVjyKxmeEPIQLf939vKa5tNB1HdV/EjPVcpQYkvF/q/RbFqQD26VAiv33FghREBoueibKeK1

gKMAq0ny6NNbvsKU0nCCe8BhiUysMhfqzGZ8lGhYAY9S1bJgADcSCM0hVpGUVWiFJsgbAG3Y
hLK0EZATuPmgYCTwjtnk4ij7JvzTTWSyvB8hZWQpa9gkDHCWZjFgVatw3wmJopNcVEU2Q0TD
v7yFlsusaimog81NPJeUCVkpIBksBQhRwwDrgeVHimgZQLCSQ/Ls0HqHkEm/khJAv2GmQ2ap
4Qp9eIg1gKoxvMsLUtooEe9hBG9dBADvwkLHt1Giih8szk5ygTcSdjEnSrHeA91Ik+rMRDYc
AyDIqmgo4+CFTcfqIiK72EV0ZBEhhrxI4/ykwqQcIjEitBJUSgmqTx0F1Jqc5VLM18pXHiSW
metXtHgyk56ZsTh0vKElWQkqRlpvW//DIOng8hhw+e+GfoTmUnoCFk3aKjSRWUXuOHkTeynp
pDSrWMNR+kgco/UyVTwBZVhu+aToNcQpismFTn5oxrz15HjIuovU201PhkRrIAw041eAtryF
VgSZLqm1aM7nmKQY0yEYbUnrbDkwg9Tyow0JKUu62S6EqJCfWmyoRKBIOK04kjMynUgtN3mQ
x3A0IypdaSIT4s6Y5vQhFuTE+vxZgKY69a1PrVHjlgqSATQVAQvIqla1+1SsbvWrYA1rAQ7Q
E6+CFQEeCSoAzBrWtrr1rXD9KgIKkFaRsDWueM1rVtGaupJYFapQ1ateqccSuwr2rXTtq0sM
y1XAQpU0Wp1rAVB61MpuJCAAIIfkECQUAAAAASAAAAAHKATgAHCpWAAQgcSLCgwYMIIEypcyLCh
w4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcyTKkPAKc0BKY0LImRgKH20jMRcAm
Q1g+C66SuZONAQDyBgwwIEGCgacGFChN0oDAUwJKaYrMx5KqUoKrDHBikysmUwwe0qpdmxYD
AwYS0Kp10hMkV5Xyxuo81FPgrFxxDcBLS5hwU6Zs3RKQ5/EuSpw6I/MVKDYX4sKYCb817Fbr
RscmCUQezYaTPHmV32VeTdiA3LUYjn5+nJN0ZKUGDrImzbstg9dz+2YEPXJATr22eZLtzTyt
gcIMGA83WZddQ05akcmqA5cwn7cOMG136ReEgFJtKn1yZ2NFEJ3nnHhiqYvgHyFc1/HMBO
vX8FgEUm1nPxrUYfa/Y95V1+JQ2gjX/+aZNdAQNmUGBm80GVoQGLYaSfRwZACKGEnExogAMX
cHBhYRxAaAF8bXU4HUKhiugf02WxcQgnClxwgQYrrsXBBaz4mIEFDCzoYUk12midAgboJJgE
CmRwQQZArpjBBAow4IADH0I340hNjsi0A0T1AiN4KPqogYrNaXAB10DJ9tGHHZVpI5pkwegB
BLTK6eOPGhRq6KEaw0Kjmk45FRKeH0kZ4ViAceJnWk3B5QAFg3bq6QQ0WEafjHcyawN6DuwY
paX7azWl1lt00RfTrHrJNNVIK64kaXo49pebTK+52pafrgJaInacCEdSrhoNcKo2D+KoK10H
vTYypnPBh9VXKDgbkY0n8qqAWVCVUspt1HVFFZwbSvmSd5ixF+4JijAjlnmTqJvKUMF1VC8
F6H2YLj351KKvgjzu4q/CAECMHoEx3QwwpMozPBBd19EwMCnijVxwmXZQokpSA0w8rsrZXyR
ARyLGKUBFBtAiRd8z0yFKTbTrCRStpBsksoWCXzqvTDra4AXSNMSc1J182Hkjb7vGxKQot4
7yoH18JH00jbwrXT5A2QNCU/40WAdRHCxMnBXn9tc81b092TPFv7z0x2SUBnRFUC1vUEmLk5
f430yHEPbjMBPzfN8ABGHS140nwwRkDhKkp86MUDm0X0UyI3LZwpXEeeUt4hcaLb4LYYkHrc
tuBnStx8SA3vxaiRNTjNtliloEFepXwxAJLz0rQtthyc2yy/k55QVZY3JFrbXe871LI+Ka8Q
txIZx0n01CRc4s4tWb8QVhNFaUvc3S0cWY7g+y6SV1U5NEBZNqepCHY8EaQV9nijRBVD8gBM
LupGsYr15hCzGMBLMEAAncRrIArcC16qkhXyFWR+h2AAzT6mv1UcQk1oYUBtcnGa7HBCgjZZ
ykFEc4iZ2aKAR10TB8AZGr4E6IT7lwtKA2ciHcaRhQ98KFrCurtMdDwRo02WpSw795ZWnHOKJ
A+QDB0sxFwbYxij9+x1BYiLammWtFARKyxHd0z60iG8/CiwlAbpYM9e4JYRX1BH1CJUKupWR
IWfsiAd1VJYS/tAlfvoNcpLDPoPA5INj0cQdFZLHjRhnl6abG/4ugyntXLFEynpkafYyR4c0
slk5mcxS+oKTQ7xDLhgYYw1LVBsZ+fcJ05IJRT6JkQA+cWEckce0aAKZEjFA1QKKJRIZw7gJ
jSYXE6H1RcbYQIKIhg00yVwctzPC4+APeJJxTzIZpks+FkQv+wOmZJBjOtPtSJHPLE2tmsfI
i5XwpY8EKYtpCJIb2zwxSjoaJKXImZd0evJ3jFMKA0u5Fw/mCJEB0s0Tj7kkgC7SmdrRDUx0
MpasSE4yJGyoFiGiydJIC5MLEqRuNKLm1eR1L+0xXSHjKSWSbnQia6RodvjyLnzaqTwvnUGA
dbQqhEjzphYp6UgKQNQCK0mn00LIToHkoBQW9a1QLQACFkDVqlI1qgeoDSei+1QsjikkUZ2q
VcdK1rKataoIu0FZ0/rQf36kAgeNq1znS1UFZLU0ZH1qW93aEbjS9a+Areq4SqM4jzw1sIhd
awFKVNiTDACqYk1sVAAtSxyzWJK57za1mfxcQACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIHIEiw
oMGDCBMqXmiwocOHECNKnEixosWLDNq3Mixo8ePIEOKHEmymMtkFOqXMmypoXFOUNgMkQ
Fk2D8lZx2skplzyIM0/mu0lwwwKFDbJKyOURgWAAJUKNGZWCgqd0rV0U0JQrAaC6lhzhhkIDB
g9mzaNN6kMCArFkJCpz+5LiVaK6dbHK9k6C2r9+3bc20NRBUY92TAwwvKxg4AB0BvLy/Uu5
79iyaxko2HiYpLy7SMHmjkgl2nM1V0ndesBQ1XDil8qnZ3XqWkGqnOnxX3WwNyLnUMaCE17
NtNcvHUrv8zXtczCE4N/1MeTEzt2eGkrVs7drGKq+4urNqUo3aNidibSp9eGnTjkyd1VU2UL
XgEDAu0je1agTb3/90zIBhKE8eXGAHgGIJiffiMN0N9//ymwk2IOaFBgahko4AAEGGDQGEb1
cwQAhp5d54BshygwQQYX+sVBhgxccIED0FKU4kYjKqjNA0hFdogB9E0gowYctMiBBjJu6EAC
A/wGYoPo6ci0AaDlMh1VMcqYAZHkaYDkBRNAwIBTH92YUY4kmqDNIXf1BF9rDDggo5Ze1m1n
nXM6oCeQEhgQkpkyoQnhmpBxEtaba3kQp55yzunonBPo0eFiBDjZEaAXCfqa5xwygkbnLw5

F1ptLQaBA1RWR1xe+5aChK1FmvqngAnsgArqm1ChBR98bd01GycflvRqRbH+Z+in72HGAGqj
viXYgfI8RyZKw1JEQJrq9RQZZIqVEh5UgZ11IFs0VTuRPFgmacCJoBpQyiTwTuJtVdI2yZW5
E82KLXs7HfJuvPKuskqNXAGAr0Q0YksrXv/K663ATQ5giy2tvnSwR0mmGSABsBrACWU2JKL
LXzYQokXXvAR1LQuXRzRAAqnNxwn8p6Mcs182IwyJfIQAHKwLLkcUcYkGrBTkAwgrDQ1Biit
tMk3A62S0BA1EDM7YSht9M5be3EyH3x4QXFLVENEdISGKta1zk+jbEvKBAt1kjwJ+5ytJgGf
qu210mGnbEDYfeFsRdwm1R1Rz9etp0BjX3Hytthso+xU3yj7TLiwFsk1Ub1zEZBU015TQrnk
AJji90WfY5TVRUZxHPbJjysd1Clhj92yRs9V7NBnS51ss86UECST7tR2NEBTxCsUWV6C+20y
YQubDJJMCH/KBs1KI71Y8isZnhDyEC3/d/bymubTQdR3VfxIz1XKUGJLxf6v0WxaKg9u1QIr
99xYIURAAlnomynipYCjAKtJ8ujTW77C1NJwgnvAYY1MrDIX6sxfJR0WAGPUPWyYAA3EgJN
IVaR1FVohSbIGwBt2ISyjhGQE7j5oGAK8I7Z50Io+yb8001ksrxfIWVKKWvYJAxwlmYxYFWr
cN8JiaKTXFRFNkDkw7+8hZbLrGopqIPNTTyX1A1ZD4gZLAUIUcMA64H1R4phmUCwkkPy7NB6
h5BJv5ISQL9hpkNmqeEKfXiINyCqMbZLC1LaKBHvYQrvXQQA78JCx7dRooofLM50coE3EnYx
J0qx3gPdSJPqzEQ2HAMgyKpoKOPghU3H6iIiu9hFTmQRIYa8SOP8pMKkHCIXIrQSVEOJqk8d
BZSan0VSzJfKVx4klpnrV7R4Mp0embE4dLyhJVkJKkZab1v/wyKDYPIYVvnhn6E51J6AhZN
2io0kV1F7jh5E3sp6aQ0q1jDUfpIHKP1M1U8AWVYbvmk6DXEKYrJhU5+aMa89eR4yLqL1Njp
T4ZEayAMNONXgLa8hVYEmS6ppWj055ikGNMhGG1J62w5MIPU8qMNCs1LutkuhKiQn1psqESg
SDijuJIZMp1ILTd5kMdwNCMqXWkiE+L0mOb0IRbkxPr8WYcmOvWpT61R45YKkgE0FQELyKpw
tftpUrG71q2ANawE00B0vghUBHqkqAMwa1ra69a1w/SoCCpBWkbA1rnjNa1bRmrqSWBWqUNWr
XqnKkrsK9q107atLDMtVwEKVNFqdwFQetTKbiQgACH5BAkFAAAALAAAAAB5AE4ABWj8AAEI
HEiwoMGDCBMqXmiwocOHECNKnEixosWLGDNq3MgRobwBAzqKHL1RXi50uQzII8my5UF5BFaF
JDIAExs2h3KtLPgRpM8B010KhSjPJs5VQYvevK1z4AAGEjxInepBAoGgQ7N6zLX05qGgXJce
CvmUqtmdDOT19Km17YCuYnfWZGM0FwEMZ/NWZUAVg4K2WQ3AXZpLYM2cTPUqxhB1KgYCWwEN
PcyJ0yG4IQkYMHd5neLPEvA6nuky32QDChSwCxt3M2cDoj/rbYx2qGmhA1Cb2K3g8tJVrg3Q
lp2XMVUJWEnedjmA3e7n7IzS3XxIOHHQZkmzXN7SgPPn+7u10VjKmU2u65/5UtwufKh380DH
m79pAL3i4R4YCOX08j385w4cYhQn9unFgGgYbPZXS/yR5N9/u510EyexFegBBgxshkGCrpXm
3ncQauMatg5Y0JUeWaGIogEeCkUAi0ApwEl55HFgogfBMcCBAwpo1iJzMEaIE2teTWCjhSsa
MMEFFySQ3EgNjtQcf0zkZIBNBuTiWy4XHImeBhc4sCSTTto2WZDsAGPCldVtyNUhClygwXuc
ZHABBJs54ECH+2UV5G5VV1bfhw/GKadiGtg5gTCXzcGAXyz26R6EVWJRJSWYHgInk5x2yukE
MhIWHHvtuacm1QoIxsZw+wzYxIkCeo7JZAYOCC0dVxmqlFWUI734n30hqidVaK0uVdmxt8IF
WVu8ijQ1pa7GJqWEG5mrX1P/uiSPAzaaII2bwo76LCMSXgttoAB0KxI3XpbpXmiDcdqQ5V5
xQmpu2r1q7dvCqciVBIIa9ywBoCULKHrdvQshApMGJyVA0ggMQMEScWbvukm3FG71HI1YymT
1HJSpAc7pDFH+/5angGTtFzKKjKVbHJb3J5KpU10gdzy1U09tJaZbW1GKQADXKbzzpws2xAB
1HjHNCVKF2QAJRhDdDJHuQ0NAGectOxyS1RnS5ApTpfBR9RC2QLH15U/dDVkp+zgGE2++k8
tdlQ10222WabQhABbFMittXpchskaYLL1EjIffFDieNNe5F0QAXXbstKgDttS0Zwc8StAtAF
dVgptjhudulPmwIUAJ1XzrfpTvPh9tsya8Z0jwVxtZnrkbP9NCW+192448Hz7TfnMgPQk0FF
HQK568VbTpo8z5d9uUadB10d79xrnhxMz1+PffIKFcWJLV7YElz0fIt/kE+DT5R9W4IZ0LgB
6s+SC+qWx18q+QghAF1Qp77e5AIkpngc1Eo2P60UzTxNo0QpXjYj/2m1gVqxyfYosbNDxAyA
6pJS2ijyFpw4zmWwsQsIMciQtCwEfj4zytR0VgoP6op8+yx0CEgIQJoRKsQoh1Cf13h2FRww
bgA8bAhr9ue1SXBghcnL4UXWIjqsVKeBjiayKoDmd1tB4Q+uYp2ilavGTWxFJZ5CorSio9V
XBCEBlmdQLBEnyaGLCd4CQ0BKvNGOPIEJDBhAwHedLSdTYtrDJHjRaSIGWEi0Sa50NqBhKW1
nJzEjQ0BCUrKISALMoSRQinKVQRTHa9FZUP5qctSSFPcerHBi5/0o1NQQhpa7hEnOmsMVFgj
HvYyxTewXAgO0wLEI14pN+WJ5KNEYy66LEVpJVRVzywyIz0RINc0eCV1Jc1nKiHLwwQ0ITe
VJkX0kVtL8RINacYllyk/ISHuTnJSjQJrwsVaxXoNI9vMkMUrnbCnXBs5UkKsorkFIZbjcoS
NgfkT7rB5Z+LhGNRDshHmlymMEQjEk7utYpx/sYwjaoLQGUpQIgSJBdIGcggl6qpLjrsJD0r
4SsBOVI/agmjCxnkRpfVSIRuRi6r3Mg6rR1MhDLFMBOCjGaacsVp1lSWPiPAZcZCNLooTapI
qYkPqQ1ViZikUR8REEHa2NKKCrWrEh1AO/doUocKiKpnResACKDXutr1rkTzDXXYI9WPx1Uk
dUXAAgZL2MletbCITaxiF1Ct1LDhrnQ9gFiC2ZChAkCwi82sZjeLWI9dVLEHmOqCkMeRAj9w
9rSoTWxvjKUAXNK1Jvf660bomtranja0E0rAAhAgKZbMFbKHte1mccuJBFCWqzILrnAvmwB3

FgCt0AVgQAAAIIfkECQUAAAAAsAAAAAHkATgAHCPwAAQgcSLCgwYMIeypcyLChw4cQI0qcSLGi
xYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcyTKkPAKc0BkY0LImRgKH20jMRcAmQ1g+C66SuZON
AQDyBgwwIEGCGacGFChN0oDAUwJKAyRmX5KqUoKrDHBikysmUwwe0qpdmxYDAwYS0Kp10hMk
V5UDxuo8pBXArFxxKdCbLS5hwU6Zs3RKQ5/EuSpw6Ix/qCUBsLsSFMxN+S9htX420TRKITJoN
J3nyLL/TzJqwAb1rMRzdGJok5NKR1Ro49Lq177YMYM+1nLG2yAE59eLmSfa387QGCjNgXNxx
VxbYDeTKSZoog+f7ziXAJTuc+kXjIBWYWL9em9juBthIA09bN1TB9w2Yr4je4wB27AWoAGCR
iRUdfazdx0B+T31GUX8dDaBNgAFqs51pBmaAoGb2QdWhAYthBCFHB1BIOYwCAGiAAxdwsGFh
HEAAwXxthVgdSSWaGCA7ZbFxCcCKXHCBBi+uxcEEDAiZgQUMOHheSTnqiJ0C8RkFlwIZXJAB
ks9mMIECDDjgAIj73ThS1Cey4wBRudAoHotCauDicxpcQKV4s3004kZ06rgmWTR6gIEECtQp
5JAaJKroohpkKeSYrzkV0p4a9VnhWIBxEmhaTcH1AAWHhirqBA5cdp+NekKp43r7DvwYn6Zr
NaWWW3TdF90tesk01UiUZmTpejwCuJtMsMnaVqCyDloWd6YRR1KvGA2wqjYT8ugqu4fBNhin
c82H1VcoQXuRhKsCq4BZUJVSYlt0UdUUVnB9W+ZJ41r0X7kmKMCOWep04m8pQwwVUL0VpTZh
ufvmUoq/DA08isAIEVywegjHtDDDKzgM8UESV0TAwauKdXHDZdlCiS1IDXDyvCt1XJEBIJsY
nwEYG0CJF3zc7IUUpOuPspDy2oGySyxQZv0q+NPtrgBdM40xJzk0zzYeD0gv9bEpGm7jvKguX
wkfUTNsCttTmDdA0JU0r9BJ2FcLEycJij61zz1/7S92TPF/fjHZJRF9EVQLY9QSYUj2PzftJ
dR+uMwFBpw3xAeytbXjTfDBGQ0KUszzpxnnJJPVtJkdNnClgV55S3x9xwtvththjQet227GdK
3XxYTe/GqZF10M62WNWgQV61vDEAnUdtiy0L7zbL8KgfVJXmDY0Wd9j/DuWsT80jBK5EyHHS
MyUNp+hkS9knhNVE8d1SN/gM75bL+MKL5FVVDg1Q1s7sM7wdTwRptT3fKKEKQ+QBmFzkDWMZ
280hZjGA12CAADjhBHEauBW1VSUr5yuI/Q7BAJyNrH2r0ESb0MIA7uQCNDvhRAVtspSDj0YQ
N7MFApXWJg+IhzT7kyGQCjcXFAj0hDqQIwsf+JC0hn3n0x4gUGRSpKsVCswrTzmEFA3Ihw+W
Yi4MwI1RADg8gsSkGdnrWik01BYldgd+HClfHbPYfGKAMWewcQsJteij6xEkKS1DI0PUuJEQ
+qgsKBSiFwIVH0Us530GgYkIx8KXBw0POXtR3d32hx10MUuLKKIWIJE2zFzs6hI8ZgeRkiAci
geDkEO+QCwbMiMMUccdgQZTij2TiSiGRUIoPE4g8fkQTyKSIAaws0CyXeELikeWSZJkIKC8y
FgkWZDRsoEle6LhEEyZnf8bcS3eUacuciLAGEvFfMCWjHNWp7kd8gaZpcgU9hSz20yJ1ASRB
ynIaguGN1Ks0o+6Q5Zyys0ZtXycj/Soy3vuJYQ9WisiBeCNF0uRCRF3830Ju4yMQ5Sqau1Kn
CNv5yS5yj1mcmCYnPyPKPD3JoxH5517eozpEz1MnJrXI01fiRp24cjLzqlJM+YPSiRCwoqbR
3lh2GtCeGqQASC2Ag6Y5LIT81KjcZGFSp0rVAiBgAVjNKLaregDucKKqu92imUJS1atq9axo
Tatas4oAHA61rQR9yEwLsNa62vWuWFAV02D1qnGva4foSteB0vYrJ4rqFz0yFQly9i3FiBF
jkPJAkhq1sZwtSB4TgxL6vpXo3p2YwEBACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIHEiwoMGD
CBMqXMiwoC0HECNKnEixosWLGDNq3Mix08ePIEOKHEmymMtkF0qXmmypcuXFOUNgMkQFk2D
8LZx2skplzyIM0/mu0lwwwKFDbJKyOURgWAAJUKNGZWCGqd0rV0U0JQrAaC6lhzhhhkIDBg9mz
aNN6kMCArFkJCpz+5LiVaK6dbHK9k6C2r9+3bc20NRBUY92TAww0Vxkg4AB0BvLy/Uu579iy
axko2HiYpLy7SMHmjkgl2nM1V0ndesBQ1XDil8qnZ3XqWkGqn0nxX3WwNyLnUMaCE17NtNc
vHUrv8zXtczCE4N/1MeTEzt2eGkrVs7drGKq+4urNqUo3aNidibSp9eGnTjkyd1VU2ULXgED
Au0je1agTb3/90zIBhKE8eXGAHGGIjiffiMN0N9//ymwk2IOaFBgahko4AAEGGDQGEb1cWQA
hP5d54BshygwQQYX+sVBhgxccIED0FkU4kYjkqiNA0hFdogB9E0gowYctMiBBjJu6EACA/wG
YoPo6ci0AaDlMh1VMcqYAZHKAyDkBRNAwIBTH92YUY4kmqDNIXf1BF9rDDggo5Ze1m1nnXM6
oCeQEhgQkpkYoQnhmpBxEtaba3kQp55yzunonBPo0eFiBDjZEaAXCfQfA5xwygkbnLw5F1pt
LQaBA1RWR1xe+5aChK1FmvqngAnsgArqm1ChBR98bd01GycflvRqRbH+Z+in72HGAGqjviXY
gfI8RyZKw1JEQJrq9RQZZIqVEh5UgZ11IFs0VTuRPFgmacCJoBpQyiTwTuJtVdI2yZW5E82K
LXs7HfJuvPKuskqNXAGAr0Q0YksrXv/K663ATQ5giy2tvnSwR0mmGSAbBsBrACWU2JKLLXzY
QokXXvAR1LQuXRzRAAqnNxwn8p6Mcs182IwyJfIQAHKwLLkcUcYkGrBTkaWgrDQ1BiittMk3
A62S0BA1EDM7YSHt9M5be3EyH3x4QXFLVENEdISGKta1zk+jbEvKBA1k1jwJ+5ytJgGfqu21
0mGnbEDYfeFsRdwm1R1Rz9etp0BjX3Hyttthso+xU3yj7TLiwFsk1Ub1zEZBU015TQrnkAJji
90WfY5TVRUZxHPbJjysdlC1hj92yRs9V7NBnS51ss86UECST7tr2NEBTxCsUWV6C+20yYQub
DJJMCH/KBs1KI71Y8isZnhDyEC3/d/bymubTQdR3VfxIz1XKUGJLxf6v0WxaKg9u1QIr99xY
IURAAlnomynipYCjAKtJ8ujTW77C1NJwgnvAyy1MrDIX6sxmfJR0WAGPUpWyYAA3EgJNIVaR
1FVohSbIGwBt2ISyjhGQE7j5oGAK8I7Z50Io+yb8001ksrWfIWVKKWvYJAxwlmYxYFWrcN8J

iaKTXFRFNkDkw7+8hZbLrGopqIPNTTyX1A1ZD4gZLAUIUcMA64H1R4phmUCwkkPy7NB6h5BJ
v5ISQL9hpkNmqeEKfXiINYCqMbZLC1LaKBHvYQrVxQQA78JCx7dRooofLM50coE3EnYxJ0qx
3gPdSJPqzEQ2HAMgyKpoKOPghU3H6iIiu9hFTmQRIYa8SOP8pMKkHCIXIrQSVEOJqk8dBZSa
n0VSzJfKVx4k1pnrV7R4MpOembE4dLyhJVkJKkZab1v/wyKDYPIYVvnhn6E51J6AhZN2io0
kV1F7jh5E3sp6aQ0q1jDUfPIHKP1M1U8AWVYbvmk6DXEKYrJhU5+aMa89eR4yLqL1NjpT4ZE
ayAMNONXgLa8hVYEmS6ppWj055ikGNMhGG1J62w5MIPU8qMNCs1LutkuhKiQn1psqESgSDij
uJIzMp1ILtd5kMdwNCMqXWkiE+L0mOb0IRbkxPr8WYcmOvWpT61R45YKkgE0FQELyKpWtfpU
rG71q2ANawE00B0vghUBHhgkqAMwa1ra69a1w/SoCCpBWkbA1rnjNa1bRmrqSWBWqUNWrxqnK
krsK9q107atLDMtVwEKNVfQdawFQetTKbiQgACH5BAkFAAAALAAAAAB5AE4ABWj8AAEiHEiw
oMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmYPmTKFOqXMkypDwCnDgZGNCy
JkYCh9jozEXAJkNYPguukrmTjQEA8gYMMCBBoGnBhQoTTqAwFMCSmmKzMeSq1KCqwxwYpMr
JlMMHtKqXZsWAwMGEtCqdToTJFeVA8bqPNRT4KpcZA3AZUuYcFombN0Sk0fxLkqc0iPzFSg2
F+LCmAm/JexW60bHJg1EHs2Gkzx5ld91Xk3YgNy1GI5+fpYtdGS1Bg65Zs27LYPxc/tmBD1y
QE69tnmS7c08rYHCDBgPN1mVnXUDuWpHJsGq0XMJ+3DjBpd+kXhIBSbSp9cmdjRRcd55x4Yq
mL4B8hXNfxzATr1/BYBFJtZz8a1GHwP2PeVZfiUNoI1//mmTXWkDZ1BgZvNBlaEBi2Gkn0cG
QAihhJxMaIADF3BwYWEcQAABfG110B1JIYroHzt1sXEIJwpccIEGK67FwQQM+JiBBQws6GFJ
NdponQIG6CSYBapkcEEGQK6YwQQKMOCAAxziN+NITY7IjgNE5QIjeCj6qIGKzWlWAZTgyfbR
hx2VaSOaZMHoAQZUyunjjxoUauihG1jpI5iuORUSnhzpGeFYgHHiZ1pNweUABYN26ukED1hG
n4x3Mm1jeg7sGKW1+2s1pZZbdNEX06x6yTTVSJBuJG160PaXm0yvudqWn64CWpZ2nAhHUq4a
DXCqNg/iqCpTh702GKZzwYfVvYgxm5GDp/KqgF1Q1VLKW05R1RRWcG0r5kneYsRfuCYowI5Z
5k6iby1DBZVQvBeh9mC49+ZS1r4I87uKvwgBHDB6BMD0MMKTKMzwQQ5fRMDAp4o1ccJ12UKJ
KUgNMPK7K2V8kQEciXilARQbQIkXfMzshSk206wkUraQbJLKFgl86r0w62uAF0jTTE NSSPN
h5I2+7xsSkKLe08qB5fCR9NI28K10+QnkdQ1P6v0knURwsTJwV5/bXPNWzvdKzxb+89Mdk1A
Z0RVAtb1BJi50X+N9MhxD24zAT2XzfAARh0teNj8MEZA4ZCj/OjFecnk9FMiNy2cKVxHn1Le
IXGi2+C2GJB63LbgZ0rcfEgN78WokTU4zbZYpaBBXqV8MQCZN22LLQfnNsvvpCdUleUNidZ2
1/sOpaxPySvErUTGcZiZJqMxUHNL1S+E1URR2hI39wjnlsv3vovkVVU0DVCWzegjnB1PBG11
Pd4oUcWQPIDJRd0oVrHcHGIWA3gJBgiAk2QNJIFbMvtVsJk+gsjvEAyg2cfSt4pDqAktDKhN
Lk6THU5E0CZLOyhoDjEzWxDQaGryAHhGw5cAmfBy+0Fh4Eykwziy8IEPRUtYd7rjgQBtpyx1
waG/vPKUQzhRgHzYYCnmwgDbGIV/vyNITAJYs6yVgkBPmaJ72MeR800ngWUhABdr5hq3gNCK
OpoeQZJSMjIyxIwd6aC0ykJCH3rBT79BTnLWZxCYeHAsH7CjQvC4EePsxXRzu991MKUdK5ZI
WY4szV7k6BBGNisnk1lKX3ByiHfIBQnIPGGJai0jHjpxRzKHiCcxAkAnLkWG8tgRTSBTigak
UkCwPCJjGDeh0eRiIr08yFgcSBDrsIEmeYHjdK4rNPsBTzLuQsBdcrnHguhFf7+UDHJMZ7od
JdKZpakV8xZ5sbLw75EgZTENQXJjGydGSUeCpNQ45cFMbWJOR4pECj330sEcHTJAunGiMZf0
u/2JTzu6gy10xpIvyU1mhAzNIkQyWZpoanJBjtSNRpk5En7upT2mIyQ8pTRSjU5EjRPND1/e
dU87lcelEwGgjlafkGja1CIkHUKBhloAJf10RwjR6U8ZhEKi0vWpBUDAAqZK1a1C9QC14QRU
nXrFMYUEq1KtqljHStayUhuBNjQrWgPaSZAuWkxwjatcp6oArJZmrE51a1s98ta5+vWvVB1X
aRTHV6IC9rBqLUCJCHuSATw1rIiFakHoiMWawFWv0M3s7wICACH5BAkFAAAALAAAAAB5AE4A
Bwj8AAEiHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmYPmTKFOqXMmy
pcuXFOUngMkQFk2D81Zx2skp1zyIM0/mu0lwwwKFDbJKyOURgwAAJUKNGZWcgqd0rV0U0JQrA
aC61hzhhkIDBg9mzaNN6kMCArFkJCpz+5LiVaK6dbHK9k6C2r9+3bc2ONRBUY92TAwwovKxg
4ABOBvLy/Uu579iyaxko2HiYpLy7SMHmjmkg12nM1V0ndesBQ1XDil8qnZ3XqWkGqnOnxX3W
wNyLnUMaCE17NtNcvHUrv8zXtczCE4N/1MeTEzt2eGkrVs7drGKq+4urNqUo3aNidibSp9eG
nTjkyd1VU2ULXgEDAu0je1agTb3/90zIBhkE8eXGAHGIJiffiMN0N9//ymwk2IOaFBgahko
4AAEGGDQGEb1cWQAHP5d54BshyGwQQYX+sVBhgxccIED0FkU4kYjkqiNA0hFdogB9E0gowYc
tMiBBjJu6EACA/wGYoPo6ci0AaD1Mh1VMcqYAZHKaYDkBRNAwIBTH92YUY4kmqDNIXf1BF9r
DDggo5Ze1m1nnXM6oCeQEhGQkpkyoQnhmpBxEtaba3kQp55yzunonBPo0eFiBDjZEaAXCfqf
A5xwygkbnLw5F1ptLQaBA1RWR1xe+5aChK1FmvqngAnsgArqm1ChBR98bd01GycflvRqRBH+
Z+in72HGAGqjviXYgfI8RyZKw1JEQJrq9RQZZIqVEh5UgZ11IFs0VTuRPFgmacCJoBpQyiTw

TuJtVdI2yZW5E82KLXs7HfJuvPKuskqNXAGAr0Q0YksrXv/K663ATQ5giy2tvnSwR0mmGSAb
BsBrACWU2JKLLXzYQokXXvAR1LQuXRzRAAqnNxwn8p6Mcs182IwyJfIQAHKwLLkcUcYkGrBT
KaWgrDQlBiittMk3A62S0BA1EDM7YSHt9M5be3EyH3x4QXFLVENEdISGKta1zk+jbEvKBA1t
kjjwJ+5ytJgGfqu210mGnbEDYfeFsRdwm1R1Rz9etp0BjX3Hytthso+xU3yj7TLiwFsk1Ub1z
EZBU015TQrnkAJji90WfY5TVRUZxHPbBjjysd1Clhj92yRs9V7NBnS51ss86UECST7tR2NEBT
xCsUWV6C+20yYQubDJJMCH/KBs1KI71Y8isZnhDyEC3/d/bymubTQdR3VfxIz1XKUGJLxf6v
0WxaKg9u1QIr99xYIURAAlnomynipYCjAKtJ8ujTW77C1NJwgnvAYY1MrDIX6sxfJR0WAGP
UpWyYAA3EgjNIvARlFVohSbIGwBt2ISyjhGQE7j5oGAK8I7Z50Io+yb8001ksrxfIWVKKWvY
JAxw1mYxYFWrcN8JiaKTXFRFNkDkw7+8hZbLrGopqIPNTTyX1A1ZD4gZLAUIUcMA64H1R4ph
mUCwkkPy7NB6h5BJv5ISQL9hpkNmqeEKfXiINyCqMbZLC1LaKBHvYQRvXQQA78JCx7dRooof
LM50coE3EnYxJ0qx3gPdSJPqzEQ2HAMgyKpoKOPghU3H6iIiu9hFTmQRIYa8SOP8pMKkHCIX
IrQSVEOjQk8dBZSan0VSzJfKVx4k1pnrV7R4MpOembE4dLyhJVkJKkZab1v/wyKDYPIYVvnn
hn6E51J6AhZN2io0kVlF7jh5E3sp6aQ0q1jDUfpIHKP1M1U8AWVYbvmk6DXEKYrJhU5+aMa8
9eR4yLqL1NjpT4ZEayAMN0NXgLa8hVYEmS6ppWj055ikGNMhGG1J62w5MIPU8qMNCs1Lutku
hKiQn1psqESgSDijuJIzMp1ILtd5kMdwNCMqXWkiE+L0mOb0IRbkxPr8WYCmOvWpT61R45YK
kgE0FQELyKpWtftpUrG71q2ANawE00BOvghUBHgkqAMwa1ra69a1w/SoCCpBWkbA1rnjNa1bR
mrqSWBWqUNWrxQnKkrsK9q107atLDMtVwEKNVfQdawFQetTKbiQgACH5BAkFAAAALAAAAAB5
AE4ABWj8AAAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3MgRobwBAzqKHL1RXi50uQzI
I8my5UF5BFaFJDIAExs2h3KtLPgRpM8B010KhSjPJs5VQYvevKlZ4AAGEjxInepBAoGgQ7N6
zLX05qGgXJceCvmUqtmdDOT19Km17YCuYnfWZGM0FwEMZ/NWZUAVg4K2WQ3AXZpLYM2cTPUq
xhB1KgYCWwENPcyJ0yG4IQkYMHD5neLPEvA6nuky32QDChSwCxt3M2cDoj/rbYx2qGmhA1Cb
2K3g8tJVrg3Q1p2XMVUJWEnedjmA3e7n7IzS3XxIOHHQZkmzXN7SgPPn+7u10VjKmU2u65/5
UtWufKh380DHm79pAL3i4R4YCOX08j385w4cYhQn9unFgGgYbPZXS/yR5N9/u510EyexFegB
BgxshkGCrpXm3ncQauMatg5Y0JUeWaGIogEeCkUAi0ApwEl55HFgogfBMCCBAwpo1iJzMEaI
E2teTWcjhSsaMMEFFySQ3EgNjtQcf0zkZIBNBuTiWy4XHImeBhc4sCSTTto2WZDsaGPCldvt
yNUhClygwXUCZHABBJs54ECH+2UV5G5VV1bfhW/GKadiGtg5gTCXzcgAXyz26R6EVWJRJSWY
HgInk5x2yukEMhIWHHvtuacm1QoIxsZw+wzYxIkCeo7JZAY0CC0dVxmqlFWUI734n30hqidV
ak0uVdmxt8IFWVu8ijQ1pa7GJqwEWg5mrX1P/uiSPAzaaII2bwo76LCMSXgttoAB0KxI3Xpb
pXmiDcdqQ5V5xQmpu2r1q7dvCqciVBIIa9ywBoCULkHrdvQshApMGJyVA0ggMQMEScWbvukm
3FG71HI1YymTlHJSpAc7pDFH+/5angGtTfzKKjKVbHJb3J5KpU10gdzy1U09tJaZbWlGKQAD
XKbzzpws2xAB1HjhNCVKF2QAJRhDdDJHuQ0NAGect0xyS1RnS5ApTpftBR9RC2QLH15U/dDV
KP+ZgGE2++k8td1Q10222WabQhABbFMittXpchskaYLL1EjIffFDieNNe5F0QAXXbstKgDtt
S0Zwc8StAtAFdVgptjhudulPmwIUAJ1XzrfrpTvPh9tsya8Z0jwVxtZnrkbP9NCW+192448Hz
7TfnMgPQk0FFHQK568VbTpo8z5d9uUadB10d79xrnhxMz1+PffIKFcWJLV7YE1z0fIt/kE+D
T5R9W4IZ0LgB6s+SC+qWx18q+QghAF1Qp77e5AIkpngc1Eo2P60UzTxNo0QpXjYj/2mlgVqx
yfYosbNDxAyA6pJS2ijyFpw4zmWwsQsIMciQtceWfj4zytR0VgoP6op8+yx0CEgIQJoRKsQo
h1Cf13h2FRWwBgA8bAhr9ue1SXBGhcnL4UXWIjqsvKVeBjiayKoDmd1tB4Q+uYp2ilavGTWx
FJZ5CorSIO9VXBCEBlmdQLBEnyaGLCd4CQ0BKvNGOPIEJDBhAwHedLSdTYtrDJHjRaSIGWEi
0Sa50NqBhKW1nJzEjQ0BCUrKISALMoSRQinKVQRTHa9FZUP5qctSSFPCerHBi5/0o1NQQhpa
7hEnOmsMVFgjHVYyxTewXAgOwLEI14pN+WJ5KNEYy66LEVpJVRVzywyIz0RINc0eCV1Jc1
nKiHLwwQ0ITEvJkX0kVT18RINacY1lyk/ISHuTnJSjQJrwsVaxXoNI9vMKMUrnBCnXBs5UkK
sorKFIZbjcoSNGfkT7rB5Z+LhGNRDshHm1ymEQjEk7utYpx/sYwjaoLQGUpQIgSJBdIGcgg
L6qpLjrsJD0r4SsB0VI/agmjCxnRpfVSiRuRi6r3Mg6rR1MhDLFMBOCjGaacsVp1lSWPiPA
ZcZCNLooTapIqYkPqQ1ViZikUR8REEHa2NKKC1rWrEh1A0/doUocKiKpnResACKDXutr1rkTz
DXXYI9WPx1UkdUXAAgZL2MletbCITaxiF1Ct1LDhrnQ9gFiC2ZChAKCwi82sZjeLWI9dVLEH
mOqCkMeRAj9w9rSoTWxvjKUAxNK1Jvf660bomtranja0E0rAAhAgKZbMFbKHte1mccuJBFCW
qzILrnAvmwB3FGct0AVgQAAAAIfkECQUAAAAASAAAAAHKATgAHCpWAAQgcSLCgWYMIeYpcyLCh
w4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cU5Q2AyRAWTYPyVnHaySmX

PIgzT+a7SXDAoUNskrI5RGDAAA1Qo0Z1YKCp06tXRQ41CsBoLqWHOGGQgMGD2bNo03qQwICs
WQkKnP7kuJVorp1scr2ToLav37dtzY41EFRj3ZMDDChWTGDgAE4G8vL9S7nv2LJrGsJYeJik
vLtIweaa0SCXacyVU6d16wFDVc0IvyqndepaQaqc6fFfdbA3IudQxoITXs201y8dSu/zNe1
zMITg3+Ux5MT03Z4aStWzt2sYqr7i6s2pSjdo2J2JtKn14ad00TJ3VVTZQteAQMC46N7VqBN
vf/07MgGGQTx5cYAeAYgmJ9+Iw3Q33//KbCTYg5oUGBqGSjgAAQYYNAYRuVxZACE/13ngGyH
KDBBBhf6xUGGDFxwgQPQWRTiRi0SqI0DSEV2iAH0TSCjBhy0yIEGMm7oQAID/AZig+jpyI4B
o0UyGVUxypgBkcppg0QFE0DAgFMf3ZhRjiSaoM0hd/UEx2sM0CCj117WaWedczqgJ5ASGBCS
mRihCeGakHES1ptreRCnnnL06eicE+g54WIE0NkRoBcJ+p8DnHDKCRucvDkWWm0tBoECVFZH
XF77l0KEqUWa+qeACeyACuqbUKEFH3xt3TUbJx+W9GpFsf5n6KfvYcYAAq0+JdiB8jxHJkrD
UkRAMur1FB1kipUSH1SBmXUgWzRV05E8UaZpwImgG1DKJPB04m1V0jbJ1bkTzYotezsd8m68
8q6ySo1cAYCvRA5iSyte/8rrrcBNDmCLLa2+dLBE6aYzIBsGwGsAJZTYkostfNhCiRde8BHU
tC5dHNEACqc3HCfynoxyXzYjDI18hAAcrAsuRxRxiQasFMppaCsNCUGKK20yTcDrZLQECUQ
MzthIe30z1t7cTIffHhBcUtUQ0R0hIYq1rXOT6NsS0eC3WSPAn7nK0mAZ+q7bXSYadsQNh9
5+xF3CaVHHP162nQGNfckK22Gyj7FTfKPtMuLAWySVRvXMRkFTTX1NCueQAm0L05YVj1NVF
RnEc9smPKx2UKWGP3bJGz1Xs0GdLnWyzzpQQJJPU1HY0QFPEKxRZx0L7bTJhBRsMkkwIf8oG
yUojvVjyKxmeEPIQLf939vKa5tNB1HdV/EjPVcpQYkvF/q/RbFoqD26VAiv33FghREBoueib
KeK1gKMAq0ny6NNbvsKU0nCCe8BhiUysMhfqzGZ81GhYAY9S1bJgADcSCM0hVpGUVWiFJsgb
AG3YhLK0EZATuPmgYCTwjtnk4ij7JvzTTWSyvB8hZWQpa9gkDHCWzJfGvatw3wmJopNcVEU2
Q0TDv7yFlsusaimog81NPJeUCVkpIBksBQhRwwDrgeVHimGZQLCSQ/Ls0HqHkEm/khJAv2Gm
Q2ap4Qp9eIg1gKoxvMsLUtooEe9hBG9dBADvwlLHt1Giih8szk5ygTcSdjEnSrHeA91Ik+rM
RDYcAyDIqmg04+CFTcfqIiK72EV0ZBEhhrxI4/ykwqQcIjEitBJUSgmqTx0FlJqc5VLM18pX
HiSWmetXtHgYk56ZsTh0vKE1WQkqR1pVw//DIOng8hhw+e+GfoTmUnoCFk3aKjSRWUXu0HkT
eynppDSrWmNR+kgco/UyVTwBZVhu+aToNcQpismFTn5oxrz15HjIuovU201PhkRrIAw041eA
tryFVGsZLqmlaM7nmKQY0yEYbUnrbDkwg9Tyow0JKUu62S6EqJCfWmyoRKBIOK04kjMynUgt
N3mQx3A0IypdaSIT4s6Y5vQhFuTE+vxZgKY69a1PrVHjlgqSATQVAQvIqla1+lSsbvWrYA1r
AQ7QE6+CFQEEcSoAzBrWtrr1rXD9KgIKkFaRsDWueM1rVtGaupJYFapQ1ateqccqSuwr2rXTt
q0sMy1XAQpU0Wp1rAVB61MpuJCAAIIfkECQUAAAAAsAAAAAHkATgAHCpWAAQgcSLCgWYMIeypc
yLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcyTKkPAKcOBkY0LImRgKH20jM
RcAmQ1g+C66SuZONAQDyBgwwIEGCgacGFChN0oDAUwJKaYrMx5KqUoKrDHBikysmUwwe0qpd
mxYDAwYS0Kp10hMkV5UDxuo81FPgqlxkDcBLS5hwU6Zs3RKQ5/EuSpw6I/MVKDYX4sKYCb81
7FbrRscmCUQezYaTPHmV32VeTdiA3LUYjn5+nJN0ZKUGDr1mzbstg9dz+2YEPXJATr22eZLt
zTytgcIMGA83WZddQ05akmyqA5cwn7c0MGL36ReEgFJtKn1yZ2NFEJ3nnHhiqYvgHyFc1/
HMB0vX8FgEUm1nPxrUYfA/Y95V1+JQ2gjX/+aZNdAQNmUGBm80GVoQGLYaSfRwZACKGEnExo
gAMXcHBhYRxAaAF8bXU4HUKhiugf02WxcQgnClxwgQYrrsXBBaz4mIEFDCzoYUk12midAgbo
JJgECmRwQQZArpjBBAow4IADHOI340hNjsi0A0T1AiN4KPqogYrNaXAB10DJ9tGHHZVpI5pk
wegBB1TK6e0PGhRq6KEaw0kjmK45FRKEH0kZ4ViAceJnWk3B5QAFg3bq6QQOWEafjHcyawN6
DuwYpaX7azW1llt00RfTrHrJNNVikG4kaXo49pebTK+52pafrgJaInacCEdSrhoNcKo2D+Ko
K10HvTYYpnPBh9VXKDGbkY0n8qqAWVCVuspbtLHVFFZwbSvmSd5ixF+4JijAj1nmTqJvKUMF
1VC8F6H2YLj351KKvgjzu4q/CAECmHoEx3QwwpMozPBBd19EwMCnijVxwmXZQokpSA0w8rsr
ZXyRARyLGKUBFBtAiRd8z0yFKTbTrCRStpBsksoWCXzqvTDra4AXSNMSc1JI82Hkjb7vGxK
Qot47yoH18JH00jbwrtXT5A2QNCU/q/SSdRHCxMnBXn9tc81b092TPFv7z0x2SUBnRFUC1vUE
mLk5f430yHEPbjMBPZfN8ABGHS140nwwRkDhKkp86MV5yeT0UyI3LZwpXEeeUt4hcaLb4LYY
kHrctuBnStx8SA3vxaiRNTjNt1liloEFepXwxAJk3bYstB+c2y++kJ1SV5Q2J1nbX+w61rE/J
K8StRMZxkjM1CZe4c0vVL4TVRFHaEjf3C0eWy/e+i+RVVQ4NUJbN6C0cHU8EaXU93ihRxZA8
gM1F3ShWsdwcYhYDeAkGCICTZA0kgVsXW1WyMr6Cy08QDKDZx9K3ik0oCS0MqE0uTpMdTkTQ
Jks5iGgOMTNbENBoavIAeEbDlwCZ8HL7QWHgTKTDOLLwgQ9FS1h3uuOBAG2nLHXBob+88pRD
OFGAfNhgKebCANSYhX+/I0hMALizrJWCQGkxonvYx5Hw7SeBZSEAF2vmGreA0Io6mh5Bk1Iy
MjLEjB3poI7KQkIfesFPv0F0ctZnEJh4cCyHsKNC8LgR4+zFdH0732UwpR0r1khZjizNXuTo

EEY2KyeTWUpfcHKId8gFA2KkYY1qI6MeOnFHMqGIJzECQCcuTCDy2BFNIFMiBqRSQLA8ImMY
N6HR5GIis7zIWBxIENGwgSZ5geN2RHic+wFPMu5BJsNyuceC6EV/v5QMckxnUh010pm1qRXz
FnmXsvDvkSB1MQ1BcmMbJ0ZJR4Kk1Dj1wUxtYk5HikQKPffSwRwdMkC6caIx1/S7/Y1P07qB
iU7GkxHJSWaEDM0iRDJZmmhqckG01I1GkrkSfu61PaYjJDy1NFKNTkSNE800X951TzuVx6UT
AaCOVoWQaNrUIiQdSQGGWgA1+XRHCNHPtXmEQqI69akFQMACpkrVqUL1ALXhBFSdesUxhQSq
Uq2qWmdK1rJSFQE2NCTaA9pJkBTArHCNq1ynqgCs1masTmVrWz3y1rn69a9UHVdpFMdXogL2
sGotQIkIe5IBPDWsiIVqQeiIXZrAVa84zezvAgIAIfkECQUAAAAAsAAAAAHkATgAHCpWAAQgc
SLCgwYMIeYpcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybKly5cU5Q2A
yRAWTPyVnHaySmXPIgzT+a7SXDAAoUNskrI5RGDAAA1Qo0ZLYKCP06tXRQ41CoDAoVxKD3HC
IAGDh7No06r1IIFB2bMSFDj9yXEr0Vw72eR6J2Gt379w3Z41ayCoRrsnBxhYvJjAwAGcDOjt
C7iyX7Jm2TJQsBEXSX14kYbNNXNArt0ZLatW+9YDhqqHE4NVSluv09MMVutWmxutAboXPYc0
ILo2baa5eu9ejrnva5mGJwr/KI8nJ3bs8tZevLz72cX7VB1XbUpxusfF7EyoV68te/HI1L2v
pto2vAIGBMhL/6xA2/r/6rEzW2QQyKcbA+EzKKB++400gH8AAqjATos5oIGBqmWggAMQYICB
YxiZx5EBEef6HnQ0zHaLABB1g+BcHGjJwwQUORGeRiBuRWKI2DiA12SEG1DfBjBpw4CIHGsZ
oQMJDABciA6mtYm7BoSWC2VUyThjBkUp0Gsf0wAAQN0fYRjRjQWaII2X+10ZVoYMODAjFt+
aeeddtLpwJ5BSmBASGdi1GaEbEbGiVjxweWbNvHv0SeejdE6wJ4WMEfBKR4FeNCiADnDSKSds
cJIOWm5xRgEC1RpXXH7e10KUqYwbfqfAiawE2qoiUKVVnzxuYUXbZyAWBKsFckK4KGgwpCZ
A6mRqqhrCMoDXZkoEUsRAWqu15NkkS1WinhQCXYWgm3RZ01E8kippgEohmpAKZPE08m3VU3r
JFfnTkRrtu3tdAi88s67yio2cgVAvhI9mG2teQE877cD0zmALba4+hLCEqmrpoBsGBCvAZRQ
YksutvBhCyVeeMFHUNS6hHFEAyySHnGczIttyibzcXPK1MhDQMjCsvRyRBqXaMBOpZSS8tKU
GLD00ifjHLRKQ00UgMzsiJX00zXz7QXKfPDhRcUtVQ1R0RIeupjX000dsi0qFyzUSfL7JID2
mgSAuvbXS4utsgFi+62zF3KbZHEPmPHngK0gcUJ3G03nbJTfqqf8c+HDWjSXRpbSRUBSTn9N
SeWTA2DK05gbj1FWfxnVsdgoQ750UKaITbbLGkFnsU0GLYXyzTtTQpBMu1fb0QBNFa+QZHoN
/vfJhR18MEgyJQwqGyUvnTRjyq90eELJQ8Q84NrpE5pPB1UPQ0oeFa8QdJYypNhSsgN89FeX
yp0bpcHOTtdWCPFKUnLhN1PISwFHCZaT50EnuICFKabhRPeCwxKZWIIUu1aEN+SjhMAQepSpm
iRNBhRH0IVSR1FVqhSfIGUJuvpMxjB+REbkToGgm8gzB7uTgKCgF1E5kwD0hIIZnKHdYJA6DF
WQxg1Sril0Ki6CQXVZmNEPKAsG/BqSysWgr7MuI+jHwuKRS6nhA5WIrcTGZR1wsLkBBtMoFg
ZYf16eH1DiETfw0wcAbIjIf0csMwAvEQawiVY3qnF6TAUSJdtEjewAiA3o1lgHCjBJziZBw3
5c2EYMyJUq4nwTjSxDozmU3HRJOLkMHPumfJS5seKcg0cpITWzxIIiviuD+xMCMHUAwJrwQV
VIYKVEcRJSdruZTzIYsNsTTILCkCmUNJiycZ8VkaJTPAHGISjGB85PW4JcBcNggmkG1VAHMY
SGoupSdh4eStRC0ZVejuZpM3uZdCTL0KNRwFkMU52i9VxRNRisWbFJReQ5yymFzoJIIu7FhP
kJcsvgEwNngJlilQG8sA0giVozHtoRzbJklU0Bn2PSUoyG8LRlbg0lwQzyC1HypCSqiSc7kII
CwHKxYhSRiQFMwos02PTidyykweBDEhr210YMTIh8oxNUSGSQU4YL6IFiKpUpzpVGznuqSEZ
QFQRsICuetWru+XqV8dK1rIW4AA9EStZEdA+kai1rHCNq1zn01YEFKcTIXkrXffK166yVXU1
0SpVqdrXvmK1JXotrFzvC1iXJBasg6Vqabxq1wKwdKmYxUhAAAAh+QQJBQAAACwAAAAAeQB0
AAcI/AABCBxIsKDBgwgTK1zIsKHDhxAjSpXIsaLFixgzatzIEaG8AQM6ihy5UV4uTrkMyCPJ
suVBeQRWhSQ4gBMbNodyrSz4EaTPATtdCoUozyb0VUGL3rypc+AABhI8SJ3qqQKBoE0zesy1
90ahoFyXHgr51K1rZqQzk9fSpte2ArmJ31mRjNBcBDGfzVmVAFY0ct1kNwF2aS2DNnEz1KsYQ
dSoGA11hDT3MidMhuCEJGDBw+Z3izxLwOp7pMt9kAwoUsAsbdzNnA6I/622MdqhpoQNQM9it
4PLSva4N0Jad1zFVCVhJ3nY5gN3u5+yM0t18SDhx0GZJs1ze0oDz5/u7tT1Yyp1Nruuf+VLV
rnyod/Dgx5u/aQC94uEeGAj1zvI9/0cOHGIUJ/bpxYBoGGz2V0v8keTff7uddBMnsRXoAQYM
bIZBgq6V5t53EGrjGk40WDiVBMGhiKIBHgpFAIjgKcBJeeRxYKIHwTHAgQMkaNYiczBgIBNr
Xk1go4UrGjDBBRckkNxDY7UHHzs5GSATQbk41suFxyJngYX0LAKk07aNI1mQ7GhjwpXVbcjV
IQpcoMF1HGRwAQSB0eBAH/t1FeRuVVZW34VvximnYhrY0YEw183IAF8s9ukehFVqyULjGB4C
J50cdsrpBDISFhx77bmNjPUKCMbGcPsM2MSJAnqOyWQGDggjnVcZqpRV1C09+J9zoaonVWit
L1XZsbfCBV1bvIo0JaWuxiasBFo0Zq15T/7okjwGQGiCNm8K0+iwjEl4LbaAAcCsSN16W6V5
og3HaquVecUJqbtq5au3bwqnI1QSCGvcsAaA1C5B63b0LIQKTbic1QNIIDEDBEgsAb7pJtXR
u5RyNWMpk5RyUqQH06QxR/v+Wp4Bk7Rcyioy1WxyW9yeSqVJdIHc8pVNPbSWmW1pRikAA1ym

886cLNsQAZR44TQ1ShdkACUYQ3QyR7kNDQBnnLTsckpUZ0uQKU6X7QUfUQtKcX9eVP3Q1Sj/
mYBhNvvpPLXZUItNt+tlmm0IQAwXTIrbV6XIbJGmC5RIyH3xQ4njTXuRdEAF8V27LSOA7bUtG
cHPErQLQBXYVKbY4bnbpT5sCFACZV8636U7z4fbbMmvGT08FcbWZ65Gz/TQlvpfdu0PB8+03
5zID0JNBRR0CuevFW06aPM+XfblGnQddHe/ca54cTM9fj33yChXFiS1e2BJc9HyLf5BPg0+U
fVuCGdC4AerPkgvqlsdfKvkIIQBdUKe+3uQCJKZ4HNRKNj+tFM08TaNEKV42I/9ppYFascn2
KLGzQ8QMg0qSUtoo8hac0M51lrELCDHIkLXMBH4+M8rUdFYKD+qKfPssdAhICECaESrEKIdQ
n9d4dhUcFm4APGwIa/bntUlwRoXJy+FF1iI6rLy1XgY4msiqA5nZbQeEPrmKdopWrxk1sRSW
eQqK0iKPVVwQhAZZnUCwRJ8mhiwneAkNASrzRjjyBCQwYQMB3nS0nU2LawyR40WkiBsBI+Em
uTjagYSlpZycxI0DgQ1K5CEgCzKEkUIpy1UEUx2vRWVD+anLUkhTwnqxwYuf9KNTUEIaWu4R
JzprDFRYIx1WMSU3sFwIKDsCxCJeKtflieSjRGMuuixFaSVUVc8sMsyM9ESDXDnglZSXJZyo
hy8MENCE3lSZF9JFU5fESDwnGJZcpPyEh7k5yUo0Ca8LFwsV6DSPbzCp1K5wQp1wb0VJCkK
yhSGW43KEjYH5E+6weWfi4RjUQ7IR5pcpjBEIxBJ07rWKcf7GMI2qC0B1KUCIEiQXSBnIIC+q
qS467CQ9K+ErATlSP2oJowsZ5EaX1UokbkYUq9zI0q0ZTIQyxTATgoxmmnLFadZUl1j4jwGXG
Qjs6KE2qSKmJD6kJVYmYpFEfERBB2tjSigq1qxIZQDv3aFKHCoiqZ0XrAaP17ra9a5E8w11
2CPVj8ZVJHVFwAIGS9jC3rWwiE2sYhdQrZSw4a50PYBYgtmQoQJAsIvNrGY3i1iPXVSxB5jq
gpDHHQI/cPa0qE1sb4ylAMTStSb3+utG6Jra2p42tBNKwAIQICmWzBWyh7XtZnHLiQRQlqsy
C65wFZsAdxYArdAFYEAAACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIHIEiwoMGDCBMqXMiwoC0H
ECNKnEixosWLGDNq3Mix08ePIEOKHEmYPmTKFOqXMKypDwCnDgZGNCyJkYCh9jozEXAJkNY
PguukrmTjQEA8gYMMCBBgGnBhQoTTqAwFMCSmmKzMeSq1KCqwxwYpMrJlMMHtKqXZSWAwMG
EtCqdToTJFeVA8bqPNRTHoBZucgagMu2c0GmTNm6JeC3412U0HVK5itQbK7EhjMXflvYrdaN
j00SkEyaDSd58iy/08y6sAG5azEcBQ05Z2nJSg0cet26d1sGs0f21Bh65ICcem/zJ0u7eVoD
hhk0xlg8ZfV22A3ksi2ZKAPn+80lwI0rflrF6iAVmFi/XptY0kQ1lg08tG+pg+wbMU0TvcQA7
9gAQeJhkYkE3H2v2MYDfU59VxF9HA2gDIIDabGdagRkcqF19UHFoAGPUlWTAhBNWyImFBjhw
AQcaGsYBBBDI1xaIGT3I0YgkAsh0WwWcwokCF1ygQYtrcTABAOFmYAEDDYZIEo45YqeAAToN
JoECGVyQwZATzjCBAgw44MCH+jk5EpQ1suMAUbnIKJ6KQWraonMaXDC1eLN9ZONGa0a4Jlky
eoDBlXUGKaQGiCaqqAZZBjnma06FtKdGfVI4VmCcBJpWU3A5QIGhoIY6gQ0X2UejniLmuJ4D
+z5Sme1aTan1f132xWSrXjJNNdKkGVW63o7/6SYtBLG2FWisg5bFHSfDlcQrRg0oqo2E07bK
FGKwEbbpXPJh9RVKz14Uoaq/KmAWVKWU8pZTVDFVze1m1SuBb5R64JCrbJvRqT9FvKUEE1
RG9FqUlIrr651NLvww+uEjBCAx0s3sExKbzwJA0/fFDEFrFgsKpiWcxwWbZQYgpSA5gsr0oc
V2TaxyRSacDFB1DiBR82e2FKzjc3iZQtJ8+LUsGq6jtzvWZ4ofTN10C8tNJ8Nj1z0CS1TPDL
UXKyisKl8PG00rZ8DfV0AyxNidApvYQdhTBxonDYyueMs9dQ+/fltc1n09uVUglg11Ng6fIs
ttIm0014zgQAJXbAAxiV90BL8+EXAYZHvrJdGuc1E9RP1fx0s6Z8LXlKVoPEyW6E22KA6nTb
Yp4pdPNB9Um1e5QaWYtFbItVDBrk1Uq19xft07bYorBus2gMQPAGVXU5Q6PBDba/QzUbFPMH
fSvRcZzwTAnDJ/rcEvYIYTUR1bbQ/f3CuuUiPvAjeVWVQwOU1fP6C2/HE0Faaa/3SVRhIdwC
k4u7XQxjujnELAbwEgwQACfMGggDt6KSpHirKj6r3yEYcDORsw8Vh2gTWhhgm1ygZjucoKBN
lnKQ0RzCZrY4INLa5AHxkIYv+wNKoaQC9sCZKNKZxZOEDH47Gs098xwMD6k5Z6rLDh3n1KYeI
YgH54MFSzIUBtzHK/5Q3kJgQEGdcK4WB0pJE+LyPI+TjyFTKQoAv4uw1bh1hFntkvYIkBWVn
ZEgaNQLCHpXlHEH0QqCAKxz1uM8gManhWA6RR4XsEVq28RF1BhhCzGyK01k8kfW0ox09UGYi
jxRXTiiz10Hg5BDvkAsGynjDE9mGRKCMoo9ksh+NUfIQDh0IPHxEk8iciAGsJNASleiXx1mI
NLkApcbGEKGCjIYNMnLHLtTQuToDwBA7BF81BmwXfqxIHrpXzAnk5zTnU6Svek0rp4nMI2V
80WPBCnLaQiim9tEkUo9KuSlyimPZnLzYY1jpADruRcQ8kiRA9pNFJFpJoA20pnc2Q1M0glN
XT3Tj+xsSchTws10StM000TfKPN0kY2mzZPvOd0h41k14nCRIm3s5Hb4UiZ8kvQ8L6XIAHvk
KoRI86Y0yqlCCKDUAjTppz5CyE6BWssVFvWpUC0AAhZA1apSNaOHsA0novpULdaIJFGdq1XH
StaymrWqCMjhWdP6UIdstABnjatc50pVBWTVNGR9a1vd+hG40vWvgK2quUyzuI48NbCIXwsB
TLRYkwwAqmJNbFTtuNeGsiSu1RWqZjUWEAAH+QQJBQAAACwAAAAAQBOAAcI/AABCBxIsKDB
gwgTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlZJsQXlLxTlDYDJEBZN
g/JWcdRJKZc8iDNP5rtJcMChQ2ySsj1EYMAACVCjRmVgoKnTq1dFDiUKwGgUpYc4YZCAwYPZ
s2jTepDagKxZCQqc/uS41WiunWxyvZ0gtq/ft23NjjUQVGPdkwMMKFZMYOAAATgby8v1Lue/Y

smsZKNh4mKS8u0jB5po5IJdpzJVTP3XrAUNVw4i/Kp2d16lpBqpzp8V91sDci51DGghNezbT
XLx1K7/M17Xmwh0Df5THkxM7dnhpK1b03axiqvuLqza1KN2jYnYm0qfXhp045MndVVN1C14B
AwLjo3tWoE29//TsyAYZBPH1xgB4BiCYn34jDdDff/8psJNiDmhQYGoZK0AABBg0BhG5XFk
AIT+XeeAbIcoMEEGF/rFQYYMXHCBA9BZF0JGI5KojQNIrXaIAfRNIKMGHlTigQYybuhaAgP8
BmKD6OnIjgGg5TIZVTHKmAgrYmmA5AUTQMAUx/dmFG0JJqgzSF39QRfaww4IKOWXtZpZ51z
OqAnkBIYEJKZGKEJ4ZqQcRLWm2t5EKeecs7p6JwT6DnhYgQ42RGgFwn6nwOccMoJG5y80RZa
bS0GgQJUVkdcXvuWgoSprRZr6p4AJ7IAK6ptQoQUffG3dNRsnH5b0akWx/mfop+9hXgBqo741
2IHYPecmSsNSRECa6vUUGWSK1RIeVIGZdSBbNFU7kTxRpmnAiaAaUMok8E7ibVXSNsmVuRPN
ii170x3ybrzyrrJKjVwBgK9EDmJLK17/yuutwE00YIstrb50sETpphkgGwbAawAllNiSiy18
2EKJF17wEdS0Ll0c0QAKpzccJ/KejHLJfNiMMiXyEABysCy5HFHGJBqwUymloKw0JQYorbTJ
Nw0tkTAQJRAz02Eh7fTOW3txMh98eEFxs1RDRHSEhirWtc5Po2xLygQLdZI8CfucrSYBn6rt
tdJhp2xA2H3n7EXcJpUdUc/XradAY19x8rbYbKPsVN8o+0y4sBbJJVG9cxGQVNNeU0K55ACY
4vTlhW0U1UVGcRz2yY8rHZQpYY/dskbPvezQZ0udbLP01BAkk+7UdjRAU8QrFFlegvttMmEF
GwySTAh/ygbJSi09WPIrGZ4Q8hAt/3f28prm00HUd1X8SM9Vy1BiS8X+r9FsWioPbpUCK/fc
WCFEQGi56Jsp4qWAowCrSfLo01u+wptScIJ7wGGJTKwyF+rMznyUaFgBj1KVsmAANxiIzSFW
kZRVaIUmyBsAbdiEso4RkBO4+aBgJPC02eTiKpSm/NNNZLK8HyF1ZC1r2CQMcJZmMWBvq3Df
CYmik1xURTZA5M0/vIWWy6xqKaiDzU0815QJWQ+IGSwFCFHDA0uB5UeKYZ1AsJJD8uzQeoeQ
Sb+SEKc/YaZDZqnhCn14iDWAqjG8ywtS2igR72EEb10EA0/CQse3UaKKHyZ0TnKBNxJ2MSdK
sd4D3UiT6sxENhwDIMiqaCjj4IVNx+oiIrvYRU5kESGGvEjj/KTCpBwiMSK0E1RKCapPHQWU
mpz1UsyXylceJJaZ61e0eDKTnpx0HS8oSVZCSpGwM9b/8Mig2DyGFb574Z+h0ZSegIWTdoq
NJFZRe44eRN7KemkNktYw1H6SBYj9TJVPaf1WG75p0g1xcmKyYV0fmjGvPXkeMi6i9TY6U+G
RGsgDDTjV4C2vIVWBJkuqaVozueYpBjTIRhtSets0TCD1PKjDQkpS7rZLoSokJ9abKhEoEg4
o7iSMzKdSC03eZDHcDQjK11pIhPizpjm9CEW5MT6/FmApjr1qU+tUe0WCpIBNBUBC8iqVrX6
VKxu9atgDwsBDtATr4IVAR4JKgDMGta2uvWtcP0qAgqQVpGwNa54zWtW0Zq6klgVq1DVq16p
ypK7Cvatd02rSwzLVcBC1TRanWsBUHrUym4kIAAh+QQJBQAAACwAAAAeQB0AAcI/AABCBxI
sKDBgwgTK1zIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJMqQ8Apw4GRjQ
siZGAofY6MxFwCZDWD4LrpK5k40BAPIGDDAgQYKBpwYUKE06gMBTAkppiszHkqpSgqsMcGKT
KyZTDB7Sg12bFgMdBhLQqnU6EyRX1QPG6jykFcCqXGQNwGVLmHBTpmzdEpDn8S5KnDojH+oJ
QGwuxIUzE35L2G1fjY5NEohMmg0nefIsv9PMmrABUwsxHN0YmiTk0pGVGjj0urXvtgxgz6Wc
sbbIATn14uZJ9rfztAYKM2Bc3GRVdtgN5MpJmiiD5/v0JcCN05z6ReMgFZhYv16b204G2EgA
71s2VMH3DZiviN7jAHbsBagAYJGJFR19rN3HQH5PfUZRfx0NoE2AAWqznWkGZoCgZvZB1aEB
i2EEIUcGUEihhZxcaIADF3CwYWEcQADBFg2FWB1JJZoYIDt1sXEIJwpccIEGL67FwQQMCJmB
BQw4eF5J0eqInQLxGQWXAhlckAGRL2YwgQIM00AAiPvd0FKUJ7LjAFG50Cgei0Jq40JzG1xA
pXizfTTiRmjquCZZNHqAgQQK1CnkkBokquiiGmQp5JivORXSnhr1WeFYgHESaFpNweUABYeG
KuoED1x2n416Qqnjevs0/Bifpms1pZZbdN0X0616yTTVSJRmZ016PAK4m0ywydpWoLIOWhZ3
phFHUq8YDbCqNhPy6CpTh8E2GkdzzYfVvYhBe5GEqwkrgFlQ1VLKW05R1RRWch1b5kniWvRf
uSYowI5Z6k7iby1DBZVQvRW1NmG5++ZSir8MA7yKwAgRXLB6CMe0MM0TOAzxQRJXRMBQ4p1
ccN12UKJKUGnCPK8K3VckQEgmxiFArgbQIkXfNzshSk64+ykPLagbJLLFBm86r40+2uAF0zj
TEnotTPNh4M6C/1sSkabu08qC5fCR9RM2wK210YN0DQ1Q6v0EnYVwsTJwmKPrXPOX/tL3ZM8
X9+Mdk1EX0RVA+tj1BJi6PY/N9M11H64zAUGnDfEARi1teNN8MEZA4pSzPOnGeckk9VMmR02c
KWBXn1LfH3HC2+G2GNB63bbsZ0rdFfHn78apKXU4zrZY1aBBXrW8MQCdR22LLQvvNsvwqB9U
leYNjRZ32P805axPzSMERkTIcdIzJQ2n6GRL2SeE1UTx2VI3+Azv1sv4wovkVVU0DVCWzuwz
vB1PBGm1Pd8ooQpD5AGYX0QNYxnbzSFmMYCXYIAA00EEcRq4FbVVJSvnK4j9DsEAnI2sfas4
RJvQwgDu5AI12+FEBW2y1IOM5hA3swUCldYmD4iHNPuTIZAKNxcUCM6E0pAjCx/4klSGfec7
HiBQZFkKqxUKzCtPOYQUDciHD5ZiLgzAjVEA0DyCkKSA0etaKQ6UFiV2B34cKV+EGlgWAoAx
Z69xCwm16KPrESQpKUMjQ9S4kRD6qCwoFKIXAhUc5SznfQaBiQjHwpcHDQ85e1Hd3faHGU4x
S4spchYkTbMX0zqEjxmB5GSIBYKB40QQ75ALBSyIwxRxx0ZB10KPZ0JiIBFQig8TiDx+RBPI
pIgBrCzQLJd4QuKR5ZJkmQgoLzIwCRZkNGygsV7ouEQTJmd/xtxLd5Rpy5yIsCB68V8wJaMc

1anuR3yBpmlyBT2FLPbTImUBJEHKchqC7AY3UqzSj7pDlnLKw5m1fJyP9KjLe+4lhD1aJIF4
I0XS5EJEXfzfQm7jIxdlKpq7UqcI2/nJLnKPWZyYJic/I8o8PcmjEfnXt6j0kT0Uycmtcg7
V+JGnbhyMv0qUkz5g9KJELCiptHeWHYA0J4apABILYCDpjKshPyUqNxxYVKnStUCIGABWM0q
Vqt6A05woqpT3aKZQ1LVq2r1rGhNq1qzigAdrrWtBH3ITAuw1rra9a5YVUBXTYPWqcZVrh+h
K14HS9isniuoxPTIVAvL2LcWIEWOQ8kAqGrWx1a1IHhMbEvq+lejenZjAQEAIIfkECQUAAAA
AAAAAHKATgAHCpWAAQgcSLCgwYMIeypcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKk
yZMoU6pcybKly5cU5Q2AyRAWTPyVnHaySmXPIgzT+a7SXDAoUNskrI5RGDAAA1Qo0ZLYKCP
06tXRQ41CsBoLqWHOGGQgMGD2bNo03qQwICswQkKnP7kuJVorp1scr2ToLav37dtzY41EFRj
3ZMDDChWTGDgAE4G8vL9S7nv2LJrGSjYeJikvLtIweaa0SCXacyVU6d16wFDVc0Ivyqndep
aQaqc6fFfdbA3IudQxoITXs201y8dSu/zNe1zMITg3+Ux5MT03Z4aStWzt2sYqr7i6s2pSjd
o2J2JtKn14ad00TJ3VVTZQteAQMC46N7VqBNvf/07MgGGQTx5cYAeAYgmJ9+Iw3Q33//KbCT
Yg5oUGBqGSjgAAQYNNAYRuVxZACE/l3ngGyHKDBBBhf6xUGGDFxwgQPQWRTiRi0SqI0DSEV2
iAH0TSCjBhy0yIEGMm7oQAID/AZig+jpyI4Bo0UyGVUxypgBkcpgg0QFE0DAgFMf3ZhrjiSa
oM0hd/UEX2sM0CCjll7WaWedczqgJ5ASGBCSmRihCeGakHES1ptreRCnnnL06eicE+g54WIE
ONkRoBcJ+p8DnHDKCRucvDkWWm0tBoECVFZHXF77l0KEqUWa+qeACeyACuqbUKEFH3xt3Tub
Jx+W9GpFs5f5n6KfvYcYAAq0+JdiB8jxHJkrDUkRAMur1FB1kipUSH1SBmXUgWzRV05E8UaZp
wImgG1DKJPB04m1V0jbJlBkTzYotezsd8m688q6ySo1cAYCvRA5iSyte/8rrrcBNDmCLLa2+
dLBE6aYZIBsGwGsAJZTYkostfNhCiRde8BHUtC5dHNEACqc3HCfynoxyXzYjDI18hAAcrAs
uRxRxiQasFMppaCsNCUGKK20yTcDrZLQECUQMzthIe30z1t7cTIffHhBcUtUQ0R0hIYq1rX0
T6NsS8oEC3WSPAn7nK0mAZ+q7bXSYadsQNh95+xF3CaVHVHP162nQGNfcfK22Gyj7FTfKPtM
uLAWySVRvXMRkFTTX1NCueQAm0L05YVj1NVFRnEc9smPKx2UKWGP3bJGz1Xs0GdLnWyzzpQQ
JJPU1HY0QFPEKxRZXoL7bTJhBRsMkkwIf8oGyUojvVjyKxmeEPIQLf939vKa5tNB1HdV/EjP
VcpQYkvF/q/RbFqD26VAiv33FghREBoueibKeK1gKMAq0ny6NNbvsKU0nCCe8BhiUysMhfq
zGZ8lGhYAY9S1bJgAdcSCM0hVpGUVWiFJsgbAG3YhLK0EZATuPmgYCTWjtnk4ij7JvzTTWSy
vB8hZWQpa9gkDHCWZjFgVatw3wmJopNcVEU2Q0TDv7yFlsusaimog81NPJeUCVkpPiBksBQhR
wwDrgeVHimGZQLCSQ/Ls0HqHkEm/khJAv2GmQ2ap4Qp9eIg1gKoxvMsLUtooEe9hBG9dBADv
wkLHt1Giih8szk5ygTcSdjEnSrHeA91Ik+rMRDYcAyDIqmg04+CFTcfqIiK72EV0ZBEhhrxI
4/ykwQcIjEitBJUSgmqTx0F1Jqc5VLM18pXHiSWmetXtHgyk56ZsTh0vKE1WQkqR1pvW//D
IoNg8hhw+e+GfoTmUnoCFk3aKjSRWUXuOHkTeynppDSrWMNR+kgco/UyVTwBZVhu+aToNcQp
ismFTn5oxrz15HjIuovU20lPhkRrIAw041eAtryFVgSZLqm1aM7nmKQY0yEYbUnrbDkwg9Ty
ow0JKUu62S6EqJCfWmyoRKBIOK04kjMynUgtN3mQx3A0IypdaSIT4s6Y5vQhFuTE+vxZgKY6
9a1PrVHjlgqSATQVAQvIqla1+lSsbvWrYA1rAQ7QE6+CFQEeCS0aZBrWtrrr1rXD9KgIKkFaR
sDWueM1rVtGaupJYFapQ1ateqqSuwr2rXTtq0sMy1XAQpU0Wp1rAVB61MpuJCAAIfkECQUA
AAAAAAAAHKATgAHCpWAAQgcSLCgwYMIeypcyLChw4cQI0qcSLGixYsYM2rcyBGhvAED0ooc
uVFeLk65DMgjybLlQXkEVoUk0IATGzaHcq0s+BGkzwe7XQqFKM8mz1VB1968qXPgAAYSPEid
6kECgaBDs3rMtfTmoaBclx4K+ZSq2akM5PX0qbXtgK5id9ZkYzQXAQxn81Z1QBWDgrZZDcBd
mktgzZxM9SrGEHUqBgJZYQ09zInTIbghCRgwcPmd4s8S8Dqe6TLfZAMKFLALG3czZw0iP+tt
jHaoaaEDUJvYreDy0lWuDdCWnZcxVQlYSd520YDd7ufsjNLdfEg4cdBmSbNc3tKA8+f7u7U5
WMqZTa7rn/lS1a58qHfw4Mebv2kAveLhHhgI5c7yPfnDhxiFCf26cWAaBhs9ldL/JHk33+7
nXQTJ7EV6AEGDGyGQYKu1ebedxBq4xpODlg4lQTBoYiiAR4KRQCI4CnASXnkcWCiB8ExwIED
CmjWInMwRogTa15NYKOFKxowwQUXJJDCSA201Bx870RkgE0G50JbLhcciz4GFziwJJN02jZZ
k0xoY8KV1W3I1SEKXKDBdRxxkAEEmzngQIif7ZRXXkb1VWvt+Fb8Ypp2Ia2DmBMJfNyABfLPbp
HoRVas1JYxgeAieTnHbK6QQyEhYce+25pyaVCgjGxnD7DNjEiQJ6js1kBg4II51XGaqUVZQj
vfifc6GqJ1VorS5V2bG3wgVZW7yKNCWlrsYmrARaDmateU/+6JI8BkBoGjZvCjvosIxJeC22
gAHQrEjde1uleaINx2qr1XnFCam7auWrt28KpyJUEghr3LAGgJQuQet29CyECKwYnJUDSCAx
AwRILAG+6SbcUbuUcjvJkZOUc1KkBzukMUf7/lqeAZ00XMoqMpVsc1vcnkq1SXSb3PKVTT20
lp1taUYpAANcpvP0nCzbEAGUe0E0JUoXZAA1GEN0Mke5DQ0AZ5y07HJKVGdLkC101+0FH1EL
ZAsfX1T90NUo/5mAYTb76Ty12VCLTbbZZptCEAFsUyK21e1yGyRpguUSMh98U0J4017kXRAB

fFduy0qA021LRnBzxK0C0AV1WCm20G526U+bAhQAmVf0t+108+H22zJrxk6PBXG1meuRs/00
Jb6X3bjjwFpTn+cyA9CTQUUdArnrXvt0mjzPl325Rp0HXR3v3GueHEzPX4998goVxYktXtgS
XPR8i3+QT4NP1H1bghnQuAHqz5IL6pbHXyr5CCEAXVCnv7kAiSmeBzUSjY/rRTNPE2jRC1e
NiP/aaWBWtHJ9iixs0PEDIDqk1LaKPIWnDj0ZZaxCwgxyJC1zAR+PjPK1HRWCg/qinz7LHQI
SAhAmhEqxCiHUJ/XeHYVHBZuADxsCGv257VJcEaFycvhRdYi0qy8pV4G0JrIqgOZ2W0HhD65
inaKVq8ZNBuEUnkKitIij1VcEIQGWZ1AsESfJoYsJ3gJDQEq80Y48gQkMGEDAd50tJ1Ni2sM
keNFpIgbASLRJrk42oGEpaWcnMSNA4EJSuQhIASyhJFCKcpVBFMdr0V1Q/mpy1JJIU8J6scGL
n/SjU1BCG1ruESc6awxUWCMdVjLFN7BcCCg7AsQiXik35Ynko0RjLrosRWk1VFXPLDLMjPRE
g1w54JWUlyWcqIcvDBDQHn5UmRfSRV0XxEg1pxiWXXt8hIe50clKNAmvCxVrFeg0j28wqZSu
cEKdcGz1SQqyisoUhlunyhI2B+RPushln4uEY1EOyEeaXKYwRCMSTu61inH+xjCNqgtAZS1A
iBIkF0gZyCAvqqku0uwkPSvhKwE5Uj9qCaMLGeRG19VKJG5GLqvcyDqtGUyEMsUwE4KMZppy
xWnWVJY+I8B1xkI0uihNqkipiQ+pCVWJmKRRHxEQQdrY0ooKtasSGUA792hShwqIqmdF6wAK
QNe62vWuRPMNddgj1Y/GVSR1RcACBkvYwt61sIhNrGIXUK2Us0GudD2AWILZkKECQLCLzaxm
N4tYj11UsQeY6oKQx5ECP3D2tKhNbG+MpQDE0rUm9/rRruia2tqeNrQTSsACECAplswVsoe1
7WZxy4kEUJarMguucBWBaHcWAK3QBWBAAAAh+QQJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDB
gwgTK1zIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJsqXL1xT1DYDJEBZN
g/JWcdRJKZc8iDNP5rtJcMChQ2ySsj1EYMAACVCjRmVgoKnTq1dFDiUKwGgupYc4YZCAwYPZ
s2jTepDAGKxZCQqc/uS41WiunWxyvZ0gtq/ft23NjjUQVGPdkwMMKFZMYOAAATgby8v1Lue/Y
smsZKNh4mKS8u0jB5po5IjdpzJVTP3XrAUNVw4i/Kp2d161pBqpzp8V91sDci51DGghNezbT
XLx1K7/M17Xmwh0Df5THkxM7dnhpK1b03axiqvuLqza1KN2jYnYm0qfXhp045MndVVN1C14B
AwLjo3tWoE29//TsyAYZBPH1xgB4BiCYn34jDdDff/8psJNiDmhQYGoZK0AABbhg0BhG5Xfk
AIT+XeeAbIcoMEEGF/rFQYYMXHCB9BZF0JGI5KojQNIRXaIAfRNiKMGHLTIgQYybuhaAgP8
BmKD6OnIjgG5TIZVTHKmAGRymmA5AUTQMCAUx/dmFG0JJqgzSF39QRfaww4IK0WxtZpZ51z
OqAnkBIYEJKZGKEJ4ZqQcRLWm2t5EKeecs7p6JwT6DnhYgQ42RGgFwn6nwOccMoJG5y8ORZa
bS0GgQJUVkdcXvuWgoSPRZr6p4AJ7IAK6ptQoQUffG3dNRsnH5b0akWx/mfop+9hxgBqo741
2IHYPecmSsNSRECA6vUUGWSK1RIeVIGZdSBbNFU7kTxRpmnAiaAaUMok8E7ibVXSNsmVuRPN
ii170x3ybrzyrrJkYjVwBgK9EDmJLK17/yuutwE00YIstrb50sETpphkgGwbAawA11NiSiy18
2EKJF17wEdS0L10c0QAKpzccJ/KejHLJfNiMMiXyEABysCy5HFHGJBqwUymloKw0JQYorbTJ
Nw0tktaQJRAz02Eh7fTOW3txMh98eEFxS1RDRHSEhirWtc5Po2xLygQLdZI8CfucrSYBn6rt
tdJhp2xA2H3n7EXcJpUdUc/XradAY19x8rbYbKPsVN8o+0y4sBbJJVG9cxGQVNNuU0K55ACY
4vTlhW0U1UVGcRz2yY8rHZQpYY/dskbPvezQZ0udbLP01BAkk+7UdjRAU8QrFFlegvttMmEF
GwySTAh/ygbJSi09WPIrGZ4Q8hAt/3f28pim00Hud1X8SM9Vy1BiS8X+r9FsWioPbpUCK/fc
WCFEQGi56Jsp4qWAowCrSfLo01u+wpTScIJ7wGGJTKwyF+rMZnyUaFgBj1KVsmAANxIiZSfW
kZRVaIUmyBsAbdiEso4RkBO4+aBgJPC02eTiKpSm/NNNZLK8HyF1ZC1r2CQMcJZmMWBvQ3Df
CYmik1xURTZA5M0/vIWwY6xqKaiDzU0815QJWQ+IGSwFCFHDA0uB5UeKYZ1AsJJD8uzQeoeQ
Sb+SEkC/YaZDZqnhCn14iDWAqjG8ywtS2igR72EEb10EA0/CQse3UaKKHyZ0TnKBNxJ2MSdK
sd4D3UiT6sxENhwDIMiqaCjj4IVNx+oiIrvYRU5kESGGvEjj/KTCpBwiMSK0E1RKCapPHQWU
mpz1UsyXylceJJaZ61e0eDKTnpx0HS8oSVZCSpGwm9b/8Mig2DyGFb574Z+h0ZSegIWTdoq
NJFZRe44eRN7KemkNKtYw1H6SBYj9TJVPAF1WG75p0g1xCmKyYV0fmjGvPXkeMi6i9TY6U+G
RGsgDDTjV4C2vIVWBjkuqaVozueYpBjTIRhtSetsOTCD1PKjDQkpS7rZLoSokJ9abKhEoEg4
o7iSMzKdSC03eZDHcDQjK11pIhPizpjm9CEW5MT6/FmApjr1qU+tUeOWCpIBNBUBC8iqVrX6
VKxu9atgDwsBDtATr4IVAR4JKgDMGta2uvWtcP0qAgqQVpGwNa54zWtW0Zq6klgVqlDVq16p
ypK7Cvatd02rSwzLVcBC1TRanWsBUHrUym4kIAAh+QQJBQAAACwAAAAAeQB0AAcI/AABCBxI
sKDBgwgTK1zIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJMqQ8Apw4GRjQ
siZGAofY6MxFwCZDWD4LrpK5k40BAPIGDDAgQYKBpwYUKE06gMBTAKppiszHkqpSgqsMcGKT
KyZTDB7Sq12bFgMDBhLQqnU6EyRX1QP6GjzUU+CqXGQNWGLmHBTpmzdEpDn8S5KnDoj8xUo
NhfiwpgJvyXsVutGxyYJRB7NhpM8eZXfZV5N2IDctRi0fn6ck3RkpQY0uWbNuy2D13P7ZgQ9
ckB0vbZ5ku3NPK2BwgyYDzdZ1Z11A71qRybKoD1zCftw4waXfpF4SAUm0qfXJnY0UQneeceG

Kpi+AfIVzX8cwE69fwWARSbWc/GtRh8D9j3lWX4lDaCNf/5pk11pA2ZQYGbZQZWhAYthpJ9H
BkAIoYScTGiAAxdwcGFhHEAAAXtdTgdSSGK6B87ZbFxCcCKXHCBBiuuxcEEDPiYgQUMLOhh
STXaaJ0CBugkmAQKZHBbBkCumMEECjDggAMc4jffjSE20yI4DR0UCI3go+qiBis1pcAGU4Mn2
0YcdlWkjmmTB6AEGVMip448aFGrooRpY6S0YrjkVEp4c6RnhWIBx4mdaTcH1AAWDdurpBA5Y
Rp+MdZJpY3o07BilpftrNaWWW3TRF90sesk01UiQbiRpejj2l5tMr7na1p+uAlqWdpwIR1Ku
Gg1wqjYP4qgQU4e9Nhmc8GH1VcoMZuRg6fyqoBZUJVSylt0UdUUVnBtK+ZJ3mLEX7gmKMC0
WeZ0om8pQwWVULwXofZguPfmUoq+CP07ir8IARwwwegTHdDDCKyjM8EE0X0TAWKeKNXHCZd1C
iS1IDTDyuyt1fJEBHIsYpQEUG0CJF3zM7IUpNt0sJFK2kGySyhYJf0q9M0trgBdI00xJzUkj
zYeSNvu8bEpCi3jvKgeXwkfTSNvCtdPkDZA0JT+r9JJ1EcLEycFef21zzVs73ZM8W/vPTHZJ
QGdEVQLW9QSYuTl/jfTicQ9uMwE9l83wAEYdLXjSfDBGQ0GQo/zoxXnJ5PRTIjctnC1cR55S
3iFxoTvgtHiQety24GdK3HxIDe/FqJE10M22WKWgQV6lFDEAmTdtiy0H5zbL76QnVJX1DYnW
dtf7DqWsT8krxK1ExnGSMYUJl7hzS9UvhNVEUdoSN/cI55bL976L5FVVDg1Qls3oI5wdTwRp
dT3eKFHFkDyAyUXdKFax3BxiFgN4CQYIgJNkDSSBWzFbVbIyvoLI7xAMoNnH0reKQ6gJLQyo
TS50kx10RNAmSzmIaA4xM1sQ0Ghq8gB4Rs0XAjnwcvTBYeBmPM4svCBD0VLWHe644Eabacs
dcGhv7zy1EM4UYB82GAp5sIA2xiFf78jSEwCWL0s1YJAaTGie9jHkfdtJ4F1IQAXa+Yat4DQ
ijqaHkGSUjIyMsSMHemgjspCqh96wU+/QU5y1mcQmHhWLIewo0LwuBHj7MV0c7vfZTC1HSuW
SFmOLM1e50gQRjYrJ5NZS19wcoh3yAUDYqRhiWojoX46cUcyoYgnMQJAJy5MIPLYEU0gUyIG
pFJAsDwiYxg3odHkYiKzvMhYHEGQ0bCBJnmB43ZEeJz7AU8y7kEmw3K5x4LoRX+/1AxyTGe6
HSXSmaWpFfMWebGy80+RIGUxDUFyYxsnRk1HgqTU00XBTG1iTkeKRAo999LBHB0yQLpxojGX
9Lv9iU87uoGJTsaSFclJZ0QMzSJEMlmaaGpyQY7UjUaSuRJ+7qU9piMkPKU0Uo10RI0TzQ5f
3nVP05XHPRMB0I5WhZBo2tQijB1JAYZaACX5dEcI0e1PGYRCojr1qQVAwAKmStWpQvUAtEE
VJ16xTGFBKpSrapYx0rWslIVATY0K1oD2kmQFMCscI2rXKeqAKyWZqx0ZwtbPfLWufr1r1Qd
V2kUx1eiAvawai1AiQh7kgE8NayIhWpB6IjFmsBVrzjN708CAgAh+QQJBQAAACwAAAAAeQB0
AAcI/AABCBxIsKDBgwgTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJ
sqXLlXt1DYDJEbZNg/JWcdRJKZc8iDNP5rtJcMChQ2ySsj1EYMAACVCjRmVgoKnTq1dFDiUK
gMChXEOPccIgAY0Hs2jTqvUggUHZsxIU0P3JcSvRXDvZ5HonYa3fv3DdniVrIKhGuyCHGFi8
mMDAAZwM600LuLJfsmBZM1CwETfJeXiRhs01c0Cu05ktq1b71g0GqocTg1VKW6/T0wxW61ab
G60BuHc9hzQgujZtprl67160ue9rmYYnCv8ojycnduzy1l68vPvZxftUGVdtSnG6x8XsTKhX
ry178ciUva+m2ja8AgYEyEv/rEDb+v/qstNbZBDIpxsD4RmQoH77jTSAfwACqMB0izmGgYGq
ZaCAAXBggIFjGJnHkQER/oedA7MdosAEGWD4FwcaMnDBBQ5EZ5GIG5FYojY0ICXZIQbUN8GM
GnDgIgcZMihAwkMAFYIDqa3IzsGhJYLZVTJOGMGRS6nQZIXTAABA059hGNGOpZogjZf7XR1
Whgw4MCMW35p55120unAnkFKYEBIZ2KUZOsrSaJWPHB5YGce85J56N0TrAnhYwR8GRHgv40
KIAOcNIpJ2xwkihZabnFGAQKVGldcft6XQpSphZt+p8CJrATaqiJQpVWfPG5hRdtnIBYEQwV
yQrgoaDClxkDqZGqqGsIygnDMsGRSxEBaq7Xk2SRLVaKeFAJdhaCbdFk7UTySKmmASiGakAp
k8Q7ybdVTesKV+d0RGU27e10CLzyzrvKKjZyBUC+Ej2Yba15ATzvtwM70YAtrrj6EsISqaum
gGwYEK8B1FBiSy628GELJV54wUdQ1LqEcUQDLKwecZzMi3LKJvNxc8qUyENAYMky9HJEGpdo
wE61lJLyOpQYsPTSJ+MctEpDQ5SAz0yIlfTTPHPtBcp880FFxS1VDVHREh66mNc7Q52yLSoX
LNRJ8vskgPaaBIC69tdLi62yAWL7rbMXcptkdkQ+Y8eeAo6BxQncY7eds1N+p/xz4cNaNJdE
9tJFQFJ0f01J5ZMDYMrTmBu0UVYXGdWx2ChDvnRQpohNtssaQWexQ6AthfLN01NCKEy7V9vR
AE0Vr5Bkeg3+98mFGXwwSDI1DCobJS+dNGPKr3R4Qs1DxDzg2s97mk8HVQ9A6h59rxB01jKk
2FKyA3z0V5fKk5u1wc5NN1YI8UpScuE3U8hLAUcJlpPk4Se4gIUppuFE94LDEp1YhS7VoQ35
K0EwBB61KmaJE1tEc4hVJGUWwqFJ8gZQm6+kzGMH5ERuR0gaCbyDNvu50AoKAXUTmTAPSEgh
mcocNgkDoMVZDGDVKuKXQqLoJBdVmY0Q+QCwb8GpLKxaCvsy4j6Mfc4pFLqeED1Yity0Z1HX
CwuQFtMygWBlh+Xp4fU0IRN/DTBwBsiMh85ywxYC8RBrcJVjeqCxpMBRI120SN7ACIDeiWWA
cKME0JkHdflzYRgz1lSrifBONLE0jOZTcdEk4uQwe1Qx81Lmx4pyDRykhNbPEgiK+K4P7Ew
KYdQDAmvBBVUhgpURxElJ2u51PMhiw2xNMgsKQKZQ0mLJzPxWRqNM8AcYhKMYHzk9bg1wFw2
CCaQaVUAcxhIai6lJ2Hh5K1EI51V6070kze510JMs4o1HAWQxTnaL1XFE1GKxZsU1F5DnLKY
X0gkiK7sWE+Q1yy8TA2eAmWI+AbwDSCJWjMe2hF1smSW44GfY9JSjIbwtGVuA6XBDPILUfK

kJKqJJzuQggLAcRfiFJEioUzCiw7Y90J3LKTb4EMSGvaU5gxMiHyjE1RIZJBThgvogWIq1Sn
0lUb0e6pIRlAVBGwgK561atT5epXx0rWshbgAD0RK1kR0D6RqLWscI2rX0c6VgQUoK0heStd
98rXrrJvdSXRKlWp2te+YrUlei2sX08KWJckFqyDpWppvGrXArB0qZjFSEAAACH5BAkFAAAA
LAAAAAB5AE4ABWj8AAEiHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmy
pMmTKF0qXmMypcuXMEXCikmzYr6aCges4sSTk4EBNW/iRMiJjdGjh3LJiy10qMGiR5EaYApT
p8+fQAsWPRSVK6e1L5uu1LeKa1SfWQUaYAM1aVF0aVuKTSkvV9S7uQiAXbvVgNlccVnORUnA
gAJ270zePURAIIIFcnA75PcTTAFiXg000UGCiswltChQfhQtAnoFcBk739HlZ8FgDnmMnNmVU
cmG/i/MakCDBQ00UmUkOYBc7tjYHZwvnm30EAMMGDXI94CBWIDdEgYE9hh8JJIHi+8W1ib56
180hCdPTU2eQXsJvkN1FwgYvGyqn5YvZq0//PH31kPGFNB99ningFXNGvb0fehig5992GgX4
kWkE1ldecw4uKB0G+k3HQGqtRajScBVqw442JihwIVsaToeBAR/yByJ3IXJoQP3KQDVXZxk
uGBvhmkwXXbwqSSPjSUut2NXPu7HAQQGODDBBA70BmFGEEn6EJH0m6ojgUQxwoKEGE/CVmgQc
vtdRlh4NSJ8BPEFW3hprcKJABhkrkqUEGF2SAo1FXsCEAmhyx2dEAFXqWWHmHLLKKrnk4sCk
lApDG2qp+QbgWfVsz+BdkGIngV1fduXTSIZ2RACK+wSKxyNPGUirAwIpRKYVqSwlUyM4qF+bC
nwcMlGqeXiSl2pE8rIK3a3mc1FIKA7w5yIBogAJmkrGqdtRzsjx04u0kpZxpQIMf5nVlKS2Z
xplxp61xVynfgotaadqde+tL8myGGDt64RaVswCXIh1VTgFAQF1RpUYJH17YcipM2JZEFPwJ
M8xwww1NB7JQ89tHGIRcgg0xJxmENVdeKP13sBSWryCMPAb0xEGJJJEYvEK8qTGLDwyJLph56m
KNVcUL4DzBzRALSy9S28uwG7oV+oGY2uRvVWxbRDHCFNBzrZelplhC+9cm1W9UmMk9EMDEIoQ
0lpz0jUDHU7L7GNm+x1ir02aDWR1vQDc3Nx9S249CXsNAktVxQbZe2aJhGdlUOp7ShZ4M2V
Eh2woyadi8E82U1jTI9FxbjBf3JCuNxJkzbafWxjDRNZbVlHuVSJJ81YQKRfdPZGBJjHlnmR
ai38USQL9DJk1N3uukuQHjWAYpQNL3ykeZXmFaDKU7Q7Rmz3VLRZsw/fk1dbEWDffVdbtP1F
a5l3WV3N0wq4v2zIGSdbfXGfVfourR7ZKga5jrDkVC23KOY+bLiZ6HzCCbVpr3+USV9Bnocy
Hh2wfsgj1fnuBpH1WUQ70SkVgnYUqUY56i3NAZqICjaQ1wnrLIqDkwn19BcORsSD6d7hhLvk
x5b0NWoVtSMN41hYELodYoc80kpZWAeA2H0Eh8JBngkbBSjsRU0g9mnd8ohIEKL14lFAvMtp
JHhALT6Qiwpmt/YUDzHAGpqaFRI1moTQK44EEtxbIg8wGeQunjuiXlsIAIPUphNBXIhJ2sj
zQ7JkNUPslimZAgB7igSKEZyI5aMSAE2yc10AmAanQy1KAuAmZIgyAGoTKUqV8nKVrpylZ08
JSpt0JFMHkSwrEQALl/Jy16ykpYsSVEfElMXwLzjC3ZZTGXuYACHB0ZKyKAM6cZtJeMcpML
GcArEeDMS3qTIwEBACH5BAkFAAAALAAAAAB5AE4ABWj8AAEiHEiwoMGDCBMqXMiwoC0HECNK
nEixosWLGDNq3Mixo8ePIEOKHEmyMmTKF0qXmMypcuXMEXCikmzYr6aCges4sSTk4EBNW/i
RMiJjdGjh3LJiy10qMGiR5EaYApTp8+fQAsWPRSVK6e1L5uu1LeKa1SfWQUaYAM1aVF0aVuK
TSkvV9S7uQiAXbvVgNlccVnORUnAgAJ270zePURAIIIFcnA75PcTTAFiXg000UGCiswltChQf
hQtAnoFcBk739HlZ8FgDnmMnNmVUcmG/i/MakCDBQ00UmUkOYBc7tjYHZwvnm30EAMMGDXI
94CBWIDdEgYE9hh8JJIHi+8W1ib56180hCdPTU2eQXsJvkN1FwgYvGyqn5YvZq0//PH31kPGF
NB99ningFXNGvb0fehig5992GgX4kWkE1ldecw4uKB0G+k3HQGqtRajScBVqw442JihwIVsa
ToeBAR/yByJ3IXJoQP3KQDVXZxkuGBvhmkwXXbwqSSPjSUut2NXPu7HAQQGODDBBA70BmFGE
En6EJH0m6ojgUQxwoKEGE/CVmgQcvtdRlh4NSJ8BPEFW3hprcKJABhkrkqUEGF2SAo1FXsCEA
mhyx2dEAFXqWWHmHLLKKrnk4sCk1ApDG2qp+QbgWfVsz+BdkGIngV1fduXTSIZ2RACK+wSK
xyNPGUirAwIpRKYVqSwlUyM4qF+bCnwcMlGqeXiSl2pE8rIK3a3mc1FIKA7w5yIBogAJmkrGq
dtRzsjx04u0kpZxpQIMf5nVlKS2Zxplxp61xVynfgotaadqde+tL8myGGDt64RaVswCXIh1V
TgFAQF1RpUYJH17YcipM2JZEFPwJM8xwww1NB7JQ89tHGIRcgg0xJxmENVdeKP13sBSWryCMP
Ab0xEGJJJEYvEK8qTGLDwyJLph56mKNVcUL4DzBzRALSy9S28uwG7oV+oGY2uRvVWxbRDHCFN
BzrZelplhC+9cm1W9UmMk9EMDEIoQ0lpz0jUDHU7L7GNm+x1ir02aDWR1vQDc3Nx9S249CXsN
AktVxQbZe2aJhGdlUOp7ShZ4M2VEh2woyadi8E82U1jTI9FxbjBf3JCuNxJkzbafWxjDRNZ
bVlHuVSJJ81YQKRfdPZGBJjHlnmRai38USQL9DJk1N3uukuQHjWAYpQNL3ykeZXmFaDKU7Q7
Rmz3VLRZsw/fk1dbEWDffVdbtP1Fa5l3WV3N0wq4v2zIGSdbfXGfVfourR7ZKga5jrDkVC23
KOY+bLiZ6HzCCbVpr3+USV9BnocyHh2wfsgj1fnuBpH1WUQ70SkVgnYUqUY56i3NAZqICjaQ
1wnrLIqDkwn19BcORsSD6d7hhLvkx5b0NWoVtSMN41hYELodYoc80kpZWAeA2H0Eh8JBngkb
BSjsRU0g9mnd8ohIEKL14lFAvMtpJHhALT6Qiwpmt/YUDzHAGpqaFRI1moTQK44EEtxbIg8
wGeQunjuiXlsIAIPUphNBXIhJ2sjzQ7JkNUPslimZAgB7igSKEZyI5aMSAE2yc10AmAanQy1

KAuAmZIGYAGoTKUqV8nKVrpylZ08JSpt0JFMHkSWrEQAL1/Jy16ykpYSsSVEfElMXwLzjC3Z
ZTGXuYACHBOZKyKAM6cZtJeMcpMLGcArEeDMS3qTIwEBACH5BAkFAAAALAAAAAB5AE4ABwj8
AAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmypMmTKFOqXMMypcuX
MEXCikmzYr6aOCPEzMMt4c6eQA/+DEpU4NCiBAfk4pTLwICXR5ECIHCIjVU2hwi4jApTHgEC
TuUZ5HT1ataWXFvKM5CrKhumWgcOIFvWKiexK90u90q27KGnAuXRrcsmrkq9KtlyWjwYq+HG
ZTmxRIxSHjtt2kyYYKdg8CG8AwjbxZuS8kkDmTWrNqHALWDBVnNdzZVrA0mTpk0aWM279du4
Bti0xZprVS4Ct03mJilPAW/eBqo6BTDAwCqmBqJzAlw65gB2+89Xa5PNyWl2xYuzIz/sPXV4
zb7PD/e7eD3umATEiydbvq/oQ9vdB9Nu+mk2n1X+2bXYVXAph1+BBiTAjmyEHWIAAxhIYEB5
EmDAAHciLTfSA049N94hCWJlAAYet0iBBBK0iIEBJYko0nfhdCYUZLGx6GKLDLgoQXI2f2Rhs
dSZyxkmKWMX4Y4t0vggiSEaC5BV4Js5XFyc+Phm1BFMWsDNaJbIWnGhvPe1Bhh0yYIAE9oVU
ZUjNraaAloRrouZ5G65VJgczUknAexwZsAaaNoVZYvZYSiBm9KpJ2ZN8gxQnXWEraEpggao
OSNj6QXJgGGB1jTXW00lyFRx+3RZGCWkdWWnIZEZCeoRVWVFhyiD5TEAK4o78sjGebTW6l2C
xfnHYZAeMilabXJ2RWGsS17FAIxvwognmgFG+xIBaFpYLRtOXrsUU87aReqkH1Vqm0LV0cUY
VsQNzy5khyxVYzxygcXYuhLZ+1C1Bym1GIrH8ZhuZE0xdtxBuA62ykUCDwyiPLSZhW6iHNs1
W18N5wJaVfk6h1HFFg+0yluzAbhxx1u0W9dwNMKwb74AT4TyQ++eKu7Eg50J89AL3gWucOUV
GzBKTW0AoMhyMth0haItmFVVS62i9NInyVPpyrdhTJuzDUcX2Y768mqV0FBvtDNEgAa2LYIy
+1MIYFVkpW3XbLHFbZNK0QuEa551ASgcm2ZbdUa09JFY0dvQ+Q1Qg0souqzdife1xr1tYqV
33+r5Hd0h+yaaLUHa4miAZVGxm5KgWOM4sJkzU7hGsC2PVgur6cUNwEH1151bPniPnvSAw0G
eugsvWsQW63NXrpbmUuP821Hs7E8RZFT5K611oKV3VLSy0v87KtMV1Bob23N/EsDiA++Q0Fn
Z35Tq6RvaUKy8d57UZ7Z3kDWEriTSUV1DKpJ90jCvmEp8IDJs4oAHQRBAMgjXx0sUQUdk0EN
bpAnC/ygsUSIkxCS0CImPCH3aFKAfRoQMANwoQxn2MKtsAQBSQvIoQ53yMMe+rCHLsShDjsI
kRQyRIg/TKIS17gABBDxIUaESAGYSMUfIoAkUWwIEqvIxSYWwIMt2SICaLhFJc6wOypMoxo3
EhAAIfkECQUAAAAAASAAAAHkATgAHCPwAAQgcSLCgWYMIeypcyLChw4cQI0qcSLGixYSYM2rc
yLGjx48gQ4ocSbKkyZMoU6pcybKly5cwRcKKSbNivpo4I97MyZPhzp5AD/4MS1Tg0KJBjyLt
qXRpzqZ0a0KNGnMq1ZdWlr7bMSn0AAU6ccvHk+pIAAU5s0rIZ8DS0PAMGFBxSy4aTQ3kD8o4k
u/KtAhPaDMxNa5egPLwGDeQ61IuASL4p5SX4awKwYMIFBzgu+BYtm00bP0I+6beyaQWeQwOQ
t9krWwBe6bJRzXG0SQIKtJmuzM7z69UG8Br4DduA7EPEN9omKU8B5d3s2KV9TQAu3LwD5AmM
LXuV6Jz7BNjtNh29bvVcnA61B5vLAAG2BHLJrvs9Jva4491pY2ccfXrCYNH13lnzFdbRch8R
GJZ4u2mTiW0CeaayGf+1t6Fnq114FliYYRgR/JkyAmDu4FlnIZoqZdhWuoxJptjrm3FCW0T
fcjRAHQd8pxpgsnH4mIGSOABBgxw8o4EEvj4H2GHoeWkAR7C5KNaBoxnwo105cIABh506YEB
XmLwTlo+IgfAKoTVBeVFNm60Y13PsZPL1Cwy4KWXdndqZJBv+vebZYpysaVgbGQ0wwJa5yTXf
IWDe2aUEX0KpXmg4kh1WcjWW5WSKZH4132dC0vronRigRymLJmZE6EX7BPJJA8y0kkXJ6GG
KSSSkX7J53CwwRqcqi21C1qlxmFZYK1dwsWABHB5eSJJ7/mq0aoUvfonbE6ycdmntDpqHQMG
5InBioxqKCibLG2ai3bxBQrrj4qp1QuyGCTJ6LJ7yratmcCuJN8h3gnk31yMHAJiWIdysuWQ
SQYapK5qUpnhuY021N1ABBya1irozdoxqv99C66F8g6AJpnT2icrYatobKHLasL175TrrriYh
jZmehK1A237qM1gwa6gkAdptN9iMUeqMkLHHgew0xoxV+BnQ7L1n3XA04wwwRtRBhy120Tos4
Z9Nhh9WewYuGpdYqOz/E9UNeMy31fEz7o0ohn+kFTZiMF0uU0sUFGbCGWmj7HDXQqB6KnsEG
0z0cdpC37dDbD9HYs891dRzgxwLm3d57j610WGYtD/6pixUybiwnLa/Ca0mUV140xnkft9is
AAq2Bu0rgH5S7LIXRMDujZ0cI3pzckI8wICjBHZA7GWN6eEwbXKKnkb7LrkJD1feXJ4YZ/1
4owDnAv3Jnn/EGuzCyTPYIwuVvAqsZSP1X1ED1Spw+49P1ZNeMnOAC61HfcARX0Vyc7NOMe
9LkEgVqhCAQjKJEJUnBrF5RKBMliwQ36xIMw6SAIEyLCEQoFKAIVoQpXyEIHdg8mKlyADGdI
wxra8IZAOLyhCz/YEGtk8IdADCINEbDDhZSwIAUQohJxiAAWFqCIGGxJCpdIxSb+riYspKIM
UwhF5fTEh1osgAnH+JCAAAAah+QQJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDBgwgTKlZIsKHD
hxAjSpXIsaLfixgzatzIsaPHjyBDihxJsqtTJkyhTqlZJsqXLlZBFwopJs2K+mjgj3szJk+HO
nkAP/gxKV0DQokGPIu2pdGnOpk5rQo0acyrV11ZjDthKN0tLA7k4EZCXNCgBA2zYHBpQticB
BYfSsmEL10tKATpyyZ07UV6uVWRD2k05QJu2uHLpQhwQV6zIwSgVmFCwly9EeYjZcEog0Gdh
E5wqK27ody8nbaM5QjYpGfTetQgJHNRrejLI1SQHSDPBLrRcTqkBDDAQmCCBzG13swueEfdI
3bx9pwV0cEDY4gMZV+ZkojtzjPv0024Nyy1X996m2cqznsuAew0jacs9pK27ie8Xw2scwAk5

p92u/TYAAaEdIp1mYwmH3CEAmoDaR/pd5FdccREwwCq5ACifZrkseGAu8hzIRo083baSXod0
CBsAb533WmWacdKfXBuyYZ59y5moUlgd2kiQPPVpI12KYcFY42/2dUecjimUp6MZ5HHiQH1
wcUhjPNheVpr7IA14ypb4SdRhBm5N+N8GSrg2yHvSCABYocw4CZyNiqQiwPa2A1jaKtoRKZF
8qCFpY0GrPm0B4gyYCMGiHrw5165t0ceeY3J0J2YD/1JEQHHRppZgY06mgujIpaI1iKhWij
PPvy0EkdeCsZQCeappWKqAQMiHprZZGmilifAKznp0rWrYFlisiFKqoEtooq4iEGDFSaZpi0
Sewqs2q2irFpHSKBrt/qiqiINo4WpkeaSnRhtpxs+1u4jhrwLQ050gsjtCWlK5GKe2L7bqPu
feuerpysccjBAPKkb0SFuirjjIWqJauyHmDgpqPweqDoKmbSiB2TKBHQHmJo1YcsoRzbSu+y
78RVAgZTKvSxTSdq9huNEauFoowMvNezfD30B59C1Tq08EMDpKViitzKGHR50w3sgaBKwynx
zAXJ1pxKfvXX3xrtItafrEqHNUv7tE1pNbSYDqh1fiwNaPIh2PvG1eGZNoptKYf+LbmQAW/D
7RJ/Bx+s9sHccvjwwZG+1kvRwrEFuUJHN5Tgj0sb6F7da3Qe4+JqpQg40ix0Tr1KgQs0oeHC
bb5K3YWX195fKzrEKtYTVU7azKtzojrgW72Hdn+F53JZ6hbp3tB3BKzyNlfZbV44wn4vrxpL
yCOUmsjEI0ztQ7KthztEyi8/fnUHEYi4XNE+VFr20rV0eUKsxo3ZhcTmh2s8uMnD/yq099v
AFiQEPWHgEZ7yXqgp7r50c9fSjvfQBr30P7BZIFbkWDWxAYsovmGExr0yVW0JzYxTYsNHUze
CBEyrVwAsFNqMV1CyrcSVSGId42ZSaEKV8hCAaYIOzDUTAgbQkP56Q103ZLh6XgoM3L9ZogJ
ZKLMjoRCKEZxJQMogBYLSIAuevGLX0TAFgtgOa+VR41EJAwxwGjGNrpxAWIcoXwLcAAEiNGK
5EPJAN7Ixz768YudOcke/0hIP8ZRi49JCQIK6UctorEjRTzIIsF4yDn08ZEjiaQUN3mVgAAA
IfkECQUAAAAAASAAAAHkATgAHCPwAAQgcSLCgWYMIeypcyLChw4cQI0qcSLGixYsYM2rcyLGj
x48gQ4ocSbKkyZMoU6pcybK1y5cwRcKKSbNivpo4I97MyZPhzp5AD/4MS1Tg0KJBjyLtqXRp
zqZ0a0KNGnMq1ZdWr7bMqnU1164pv4I9KfalvAFo0UY8Ky9kZWbyErBTwKkuJwNtF8ojw0nQ
obt5075VKU+bNk5sEic+1EtvLSWHFEg0vHEwSnnstB1SzJnTwseKFZgwoU0B5YyWtYyWAZpz
4gEKB3B2MHo007wcU5ccYIKda8WcThdsfUhb7dEGC0QGyo7178TKFSJ0TPs4aQPLEq7Qxm7z
b8/7AtEa4JTLgIH3y81t27C/Hi7uYQ71D2yue/nBgYQMF8313c20wHInm2P9TVddBLRdxFa
fJmXC3l0NwFAC5zwxdhfrSUWICcD9oYYYowBSJGCFMnjHxsXargZhyYeyNljh4z3X13AAdeh
Nu71xUYusE1E4kSyaQgZWrnkMpqlGpLHn112nRegaANqs9+KAMrX0I8SBX1Xf4ERYBySAKL3
3GIBrsce0wzSyEaPCRI23marGMRbe67dVeSYzzVnmHUKsEkAimzqtFJagQ6EGZ2dLfnfg3X9
R50JDph5HXYCnVUoRFh6tBo7xJ332186/vUfJ4dJqsB5uGGUaUf78oimgF93ArgHax54gEGG
GirARmaGcZpYLghatKpHA5x6IicS1MoAerJlUWuutv03461wZpiosUQSAXkmztUpgAlf0eiCB
o8DZWeelbQKvRwLJ0isBreE6CyaKBqxCboyqAiXPhBrGK0G78YqLZ1/kEmDlQ8NuNMAsG/oL
sL94HmLvurclzBBbCc0ySy6rNPwsA/+K+7AHuLrnm60coIvpZY81lpB/He9Y17PmeeutAeEy
QK5rq0wMnMoIn2Qio8ES9CesSDPQLANM53KzszpztbsUL+r4c8UnvZmYtYZ6twZ5F/4F8o0H
gNysBCWv4iSKHB+yBp1AB20Svxt7HpShX2obsD0oVnf2IIrKEQx4fqid50Ihp8nj4hoS0+id
mgNraN5+f991Hl0Hz3cSroUG+aLBAAzwmHueflpgfhbiueMqmS9kcUID0EpppYcTPpDo5mGA
wbJ1PkjA7/0+GHbrCb200L6ddbnh7AQNQDpx1sOmN2d+jVngX8QLhVLSnCE4PYBcf+Q8o+SB
LhAB98Zap6yHxF18StXmBVqM2Q9kLfdJJjFAWT6rWGR8PkqJPEalnAFMJ04QMR/tyqewgpxF
Rw8C4IhUgj7F4MWAVXqIfup3EMz1SyX4S9mfduSQDdLEeAyp4I5AwzyDWMP9KkEhQ07EmRY6
RYZ5e1Hh1rqCw4u1xoZL6WFDsnUXHtbkLEYcywmVuEQmwkSIGymAFKW4gCpa8YpYRMAUCwDD
dAV1AAXAohjHSMYscrFwMdmIGsvIxjaKEY0kQYAb50jH0i6giz4xiRztyMc+LkCLU8RaSgbg
x0LWsQDXwokh+6hGJzoxIAAh+QQJBQAAACwAAAAAQBOAAcI/AABCBxIsKDBgwgTK1zIsKHD
hxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtJkyhTqlzJsqXLlZBFwopJs2K+mjggj3szJk+H0
nkAP/gxKV0DQokGPIu2pdGnOpk5rQo0acyrV11avtsyqdSXXrim/gj0pduxAeQMGfCw7Vh4B
Tmw0qe3IluiAXJzyGiCgV14uNoDZz0VYFyXatPIWvg3swIQJbQkMANabmC5QAocCcxps0G9g
A9oc02aXN3AuJ4VJylsV2HTCv4APsRMtm11ruZZzsm4N2ABCeXAB56JN20DevKsGVM6YGqPf
XGkFph2AmXfvg24z9yZe2/oh3/vMDa/ilEs7m7zag1sHf3a85NgEuDvWZL6zxuYUB0y2Pm+
ZvYALMbGe+cZIJ9j6mm2nEX4TaTfeZn1Uh4b0MFm3WYDCTjgfwweakOBknNlkGF56aZdLYh+a
ZkBfFLYmoEHBndIXrkYAB1GDU4EHHkEXJYYcPxtSCGB+33WIVycmPcXJwRc1KNfbq1S2QAp
nhcceUkGdoh5BhgwG3cS3oYkJO7WRCV/WB5X41uZqfcdJ9yx896W6M1IJoM4fThjjTaqpYaR
BhyiAG3aKJDZGluWd8gqhzSJZ0098vam1kFqllldojinQI52KIrfgrE921CB5k+F1YqBofhea
Avur/GUnnXl9Cmp01Z3napa8keefZuwYmheiwWbLZHg4ZWc1Xl1b6eVYqNBi3aLDCYkhssYGW

1yQDGHggQVwMeOABBi22puuicUF74kahenSXZId0660E7Xr77q6TMcoatLNQhy5PBPw12Tvy
aptLwN6Gq6Vx9265inSyUpTuRvJot6UEAUtAMChBmptLwtIGeF+xLXKCMChVvjogZgoTFKKI
Zo46MskZB+nbe0c0tLLD0A2wyhgaeYtBlxYbkK2872i5Jc9xzaVcQY7imD0jPwvbzbMGXPyt
eYuiukrTnTU8a01uIctt0HDV0LQEic0WnEI341xsv5X0+A56ufvGtSJZPFFXpckUHiKh1yA9
HNHsv9XKt2Z7Alis4BC1rbJeXRrHn9+cMPpdWCw5TpA8kWeLqpa5EMDmloqTxPhD8gC+eeQS
BGIn1pUpejlKpz80XXRs3447QWyuUfpItT/kq0o0rdYm5i3hvjtFVyKf0QDKa67YZM4/3zTx
bFNPe0ypY/TgadubpTJgXC+e02p6HUe4QpveiHf0wpmXLAGAD9CmYOE/7arY57XdovS5ydsA
Picu3Q0QdNXrSdi8c5z6UC1yXQJeTwZoAAQs4IIIOACu0IQABVzwyAEIQQB6J0cGCCEKFQA
AlbIQhai8IUwdBpNBgDDGtrwhh0iJ0FCgjcRHPqwhhCMIGHMdmIf2hAB0hSfEgkSEAAh+QQJ
BQAAACwAAAAAQBOAAcI/AABCBxIsKDBgwgTKlZIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBD
ihxJsqtJkyhTqlzJsxQLlZBFwopJs2K+mjgj3szJk+H0nkAP/gxKVODQokGPIu2pdGnOpk4h
ysvFKZc8j1Cj0szFpusqrFolDhh7q0uhsQ0uaswa1qC8VWw0GeiaK1dZNgM2sm1LkGtXTnEB
d8Wrly/DqZw4HRLMJnHXvGsNN5RngPFfA5Aji0XLuSEBwYsHH1KrGai8z3dFG1hI4K5VAoMJ
FwY6wHLsxpkLnnatlnFujHtbwhV9G7fBAQQMU0VEgLS8Q4escgz+Ud5Y0gVXJXbsNzanvPtj
t8dNvZjTqqtpwZq0jvzu4uYEh/+1a1u57eKxpX+knnFq49SDfSfQAH8l1lhlvd0FoGjbiTcY
ASDxh9FcGw3X3SHNJbbcdgZ0iKBthzjAjJYm1FiiNuyw40BiEzaEWC7N+XebXKGVp1xZiyUo
Wi4kmuJJjwq0SBJ7V8mI4QAUGsCABLkw4AEGXN1nlgI/VunjarpxhpZEE40QFnMCQRbLhI8
6aQHT0a54CE9Wln1lipARedBYEHw5kXWkDZALBmieieaTC3ZlQIoesu0mNg6UZcBp2B1k3UN2
gjRmR74+acHEtxWlW2cUPmjNoyF6RmkMRHwJ6WXYuoeVftlrbFGYGXlYmiJiXoHYU0/KRRp
R8j5ieq1TP7X2Cq5GLDKsYqZlaKB3mHJUK4J7bpRa5yg+uulcwG2mHbQdesedI3V5xC0CEmb
0WeNlykBBksakKoHc1FVmbf0gqtt4I2ihC5QrGE5F9lSmCAwANfCmW4ip13bL3d0tUsvwRB
XJC5Fw0gXy5PDtzhrwzgyMm8ASa2Cr1mWeasQhJPLNwhr7Kh8Tuc+NrxYFThx0Zd3EL3KoWC
3jrbSrV1e+NgUETD7GA8z+hXdcNDZzKM07mUnIeBF1cVftFzvVyAUfoMnEsDMDAwBkljjS/X
Nt+2hnZ0eW0RrRghqaTAAfvHVZNsUMk9Sss3p9wQ3BdZ5+HZsUWHb3l1z8h2fn4vBDhHFm/I
YdmJD+Zqt8kWvuhFj3ckeC4j59wt3zZfzrDVJ0/U0UjWHds0vWswLHvDxY32t10ti87wsR52
6Lpi4GquL6l1hsafl1gmNxaqmbtcPWUWnyRcXAY0btHrxszAG4/A+PR+39s3/7T1G8mi/ufPj
V/xt9UalJ5H04evq/kWwIa3T/BbVRvP9+F0kv6D8659YGB0/aAlwIjw7SwAP6JDn0Ix7BmTg
Qy6U0vERhXohkdF2Ne+zaTnTnq6TQUtuJTtDCZ5aCmSluwDoFVwsIMuKYAMZ1iABdjwhns4
tKECELDDBSDghzb8IQJk0IADUKVYR9PUCEmIkGIGIIdQjGIOD6CABRxAiAi44hMXwBW/UM47
X6HI9RrXSQyma0YwHyCEPbwgYJNqnQQYS1RhXQsMz2vGOC9jhDwtwPM5A0CFjjEgZ8UhIKb5w
gXSUYSEX6UM+SnB+AQEAIfkECQUAAAAAASAAAAHkATgAHCpWAAQgcSLCgWYMIeYpcyLChw4cQ
I0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybKlY5cwRcKKSbNivpoXc3FatfImToqr
2AgdoNLnz4jyDg1lk6voUYkD1h4iMEaESqNPF8rjlIsAm0Nc1fi8iTVrQq9MwS5lw+mqWYac
lsZNy9TtW4Vz17I1kLLs3YJxDx1gm1hoW7t/D67iRJUNgbxeySZeGHUAgUOHc1mVPDnhYL4D
iIY0vVmK35/yQhMwwKk1JwORB8N+nDdz5JCncQ4orPer51xM8+o9VPpj7pCpbyuUF1Qt3bU6
vwo37ICdgeIdj39M6ht7Qeb7UoET1svVMHR2JtJrU+Bdo/a0BMQLbZpQvu+4vNm0339IQfr/
6RkA0nsaDRDXdHwp1ptggsm1VGGcgIUegP+x0x5GBGY0V2Y6HegdWq+xlsuIBhigVC5K8WeA
NhQCqE2C2ZEULXRgtXZicfKY2NpazuVi41LiceJfiwAK6FGG0bn2VypCZUbQaoHtKJd5U351
AJEAWngkSfblNxcnVhGAgQfvMDAmSli11tenEyIpQnKJTtanKQdhKRF8nS4ygBpErCKU10d
KYEHHBLKQG9rsekmliveCABVFxLg3Z0bNRfZY2wwwU0ighRL6DqJC8Sbkm+kFtgp21jEUJwD7
1G5U1ZMGCNrpptNxVR6QpJqQF2wC7bbqQakV1GpImhLK6aweTBdeirKsSiE7TLJVIQ80wSjQ
sB7tduyxsyoLHaBXEqmNfVZeB5GRA2G7UY5KcWqAmbF2C6pU+GHpAKLUPhSnuhnJgykb7kog
gQHcYuAteZgtqg075Mr1q5wG8Xtrjiw2VqJ00aQtb6GfrrXGx2sgzJpr0a75MEKrsMzRAIOW
iGg6gqKo1yo+RjelzfnKdbJB7a1c0QAMMOAyokouKPNwgTUM6ie7N+QzRRQboDR5bB48dc6H
WfT0yigVqZNzNIJ6dM69WUvR1hvtXWSNrTV28HNkk9e00zD7oXhIyJyEnJl+0i39NtmaYRjT
15gdstgqa/wZodglxx3eLI46hPZFA+SyCs2Y/Tli41IVXrjjvmEGudY0+atZcgSsNq0B17f+
p+eFd52zYBEWHv1Ck/8MHJgDPZycZbPUHnvcrH3+1e0J5T5RfHNFJg/yAsVn0Gayg7qn8f0d
/RJtzfcKEQGz2F19b6f/WfZEykC0cvcAzF1Q6n+0D91m5pMHvbAvDVY7G+4jxDrn8ynNjHrT

P4Kk71z6iUsBDYIz8hUnKkoRDn0gcsCH608rjqHIAOpHnsAB5ktykUgFHTIyIFGENUQz10H2
xyYRvsRATMoaRCpntFcdhE/7IKxLREbYEHbJ5X4EQWGivJiQoASGNWaj2/aitcBHlSwX/ZuF
c8ayQ5jkCToQCcoQgSgQ5nAiMgvkoUMM5LAeTqcrywPA87z3EDH20Eu3I6NUDDJEMVq1Kk10
Y0MqF8M6qpGDXJHUYizDxWvVJD7k2d0c/iWtf0HjpJlWsyQYBSJ5GuYqNbTzKZWbX1UJqBZKR
RM3Ym1SiJmp1NFRBX1a8qBc/pk2NdLTJXULTGg8mpAC4RMACdsnLXu4S1wcgJ0mygstiGvOY
xvS1MpepAAQoYAEX0SPKirnMalrzmT05gIQYEr8rWQA2AynOK1pAARwRJoFAec417n0AnQW
M3k0QWYB2K1MBCDznUrsjD73+ZKAAAAH+QQJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDBgwgT
K1zIsKHDhxAjSpXIsaLFixgzatzIsaPHjyBDihxJsqtTJkyhTq1zJsqXL1zBFwoqZcBWNmwRo
Hsynk6A8TInYCGWTq2dBnkYBDGDDaegheUkHIjW6tKnQVQNuDkg6tWdVoYeCCuXENSqAm0IN
HBpK1mhXmgMGEFg7d0iqs17His118yZut1TrNn16MK5h129hYls1dsDauwLlybUKFvLKxIqz
QnXMKeeAXHTTrHUrMEjNNeQaAMjUgVnQudrATXE5KQB5fvaNbg1VgonfvnClNq9yq1DUBuoF
Mm2di7fv3tqInxSOUBl0hdbV9k1Ld01oovvanj9nFxxkz8YMJRNIbQp2rB6nYv3fZ0k9YmS
gYY+VJ/gegMAAsUaa7cRNVRz8z2nAH4DAPifaF0ZdJ9EYnES2nF/FfQZU2NZeFNyTlGGYIIm
RKiQXBDWp16GEnIkT2h9WUWYf3yNxxgBo8HHH1mjyiwfiQfIQENdCtSE0IUQEWDiahwUeAhwa
qEmQCwMye0ABBkq05Zpr7IgXnUNBPkKKi1JxNBhdujHFH5QGMOCBBFVaeSV1F7KhXf0j9iZb
Q0GSuZABfh75EJ26JWfAcXJJYKWic1qJQZrHccJeXccpOI02CghpmJ8CCcmpQqi1uNFPnKwi
mVM52TaaAftyMtrom3WCdRNoghnGwI6jFekfHBP1JyhFNUwSoapuLvpqq7FuGSK1sv4VpAFi
QhSoSuu5yuqxV1LG7IHbbpvLAKjxutGvGanKhpsYsGpAnK/SecgazH7XLaw50NGRuRjdyWq6
EgCIRyirHBKrtvOmBei9KNHJQL8M+PsqlgeyNnDBzB7MEb4X8XUTa++18zBzQQkMr1PJzlsU
wiYp0GaAlHLCLgMiEiwYxcxy8m1FGFM0QM0sN1xxZ/tBy1bJ8655sUk7N+zBjTQLJbTTRBf8
I0U5UxQuyzQL3K3MTQsVLUZVXzTXuxQLjVbX2xqAckqLCSzytha2HDfaafuvPVypbue9pFBr
9L1G1GirffRLhs2yyuEAHr7KLHGtZ5PII9Ntp909WTeQXPUCmMvj3ct+LhmXU5AwAJD27gB
h7sdecGfaxS2SPkpKfAqFg8kGeeATz64Tm0zu8rXPhmuNeuUv2Sbt1P7N3e3rWf0ukdZCnZz
YctXXLxLZzuVPPU1bx/R8xx9hSpFsa4+1PcQgV+RiqqBJWxFSySL/kPq62yQZGjOD+Qq5r0h
f0P16xVCssKJ/xUmVgZcSAA1kkCJMIZSDUzIAiMij+1pxDGisaBEJhiRCD5kMYLxCAelVcGR
zCJybdkdSzzoEAyORYQwIQ6ENDgRyqQqDNaxjEsFwdURG8Iwhzv8yFKc9kPj7bBxNHZIEHwn
QpeUsEhJb0FQmuc8nWxKLjzMyBKpCDajlFApBNDURbaYRdc15YsEGZL06LKxJmqxAHCEiWiw
QMc6LmArccwjHRWgADv6cY8ICKQgEVCAAeSxxBuyCwuP4pE/OvKRKHQkAKATo0rGqE6cOMD1
xnjIAGBgjpEmpR8RsBZa0S0XB1iAJ3FIE1CK8pUIyF7XbpLKVbLyJHp85SMVEEiNWTJGD1qk
kYzSywIaU10GSWYUQ8dMjQQEACH5BAkFAAAALAAAAAB5AE4ABwj8AAEIHEiwoMGDCBMqXmiw
oc0HECNKnEixosWLGDNq3Mix08ePIE0KHEmymMtkF0qXmMypcuXMEXCikmzYr6a0CPezMmT
4c6eQA/+DEpU4NCiQY+2HDBgVi50A5ASVKpyAcc2h65ijSoVANWUA9iw0SqWq9SvKM0yySV2
LSd0BM7C1Mfp0CGxdsVyktts3gB5T9uyFZuLJ1N5CNGWvHrIgFath1YhPuiXqVmP1S1rLqh4
JIG7WB9nfZvrst+3o8eW5uh3skF5cQd2Fqm2Ld7BeA0IBGwb712oGpku10d69kTAcBXWto27
LdzPvTk5YEednYHYFWFLNC6x9iqF+7my5iJwNXzdt0eaY3WgzYT79+ywS/Q7kXvE2odch/wL
gMDgugY4Fx077xXoHjsVyQeRfQ5ZtopgDA1gQC6DPXXVeei1Z2CBCE50mU4c1cZJeFgpaJAB
WaGoV4BkjaXhhvAdpx+IGy031126KRQgVv/loiJeL8J4oEQEmLggRzv2RtiMBCWZ3oq2KSCk
gR1C1KNNGyFHGgETBmYakwI55hhpev0X5JQJREQAmEcGBxonq6gXGX8EyTPHw4QN9qSUU76n
DZsISYgRgxEeBkCLJDY22Wk3rmXAo7j1QmCf7hmZkJ2APkQoRA/qRRxba+RC3ITvSCCBAQx4
oKqp+5A5QKKJCmRqkHCD0mYoAIDZtQqXGKiKQa+qBssAaGNNCmMCiG1mGUJ2arTpRfLMy1eq
vkoQ7LUe/IgVnwYiu0qLeAFHkISyaqpStLkA64G12AZLYW+S+vkouEqWxtSj5Zqbkp3seoBB
v9hiYJecrrITmJIIN/bohxc9099Tqzh2CLsMGHAqtde+E25vjdgLsG2NcZVvQw5DRBeXjonF
LqosYzsseuqNhefHCM87ogG0YinSZwpXnCLLpxqg7rqgrbEGjw17/DENSYZ2HcM0ldyQPHf5
a02EHKdbLYZ2dZ0VzWDbNmJ0q13Z5kd0reUjA0EnjSF68971ddhg+2dFrNq5Qa2Q1AuxdZ6P
jzYddnp2IXo33dE1R7hg1iYGENriU3g4zU8qmR6JiCtZF+ZIC6a3UCB5/HbYnINceuziTy64
2QvxjRABCI8Xs+Wjo575wbajf7jngEG7iGx5Xp07ErbTvrhjcGee9Qe2Qj8uAZ863V3k3w5v
P0q1A++X3GJ9SbJHicq/JLIWr1A/4o+XXZZf119sur1Vj6fX5VB0NQCzTuLe1xvQ/T7iK10Zj
X/sst6aBkCcvY5mfbDqiPLeg5y2Bg9SjihTBwOWifNLrmtGMF8D9jWhGY/Lc9zgCHQyNiAA5

m5qyJIQ+DP6PfzCEU/1mwTA7zWwt9Qo0SkfIkp4ChmSFQNxMQgZgobb4sHUhe1M0cWKVmR1i
iV4J0ZK6Mq7wPIV3vatRcqHYEDvRiXlcNAKUdRhGkhDnbGX8IY3SiDYAjJGMbOwIcd4IxzzjW
yI3bsW0WokLH0urRQ7hKVh+j+EeK8BExKKSI67hIH4GgkCLYRGiHG0InWqWwPpOMkbtztiiYL
LDIjBQilKBGwgFKa8pSoPKUoQ6ksLq3QWfUbZSpnScta2hKVCjjAKRHAyo980o23DKYwh7kA
XdJylcj0ZI2IycxmmhIB0IwmKW9ZAJ19ZADIZCYynU1MXmpz1bXqCTa/Sc5qZvKcDQkIACH5
BAkFAAAALAAAAAB5AE4ABWj8AAAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8eP
IEOKHEmypMmTKF0qXMmypcuXMEXCikmzYr6aOCPEzMMt4c6eQA/+DEpU4NCiQY8i7a10ac6m
TkvKG0BVXkKoUUVSbYg168cBVr16NUmAwMOuYzUOMHs261SqcMNY1Me2LdIBuTgdYsOXL6dV
cjHSLYg25qq9ffkecsC0nYLAfUtCLGzybdWBBBL3PcT0hGdtBiBPBDuRssZVBETL05yYU2p5
nDSz0aTns23QAYw0Lm1ywN5cgeX1ks03V2bNnG0rZ2cgsmiHph+SHjh1dd/cAoU7xtbswLl
++AVRLbJ0fehugPY501r40/U7X51cwIPn13FqeTVHmezSmB6Nt3pxRdem+WSC2IAytYZfbax
g51ED/KWEQGHDkdYf+l1l+BsA2joV3vxJZYLg8tFCJFkhGkU4GZmcaJhd7kA4CF3Bmyo2Iik
muAgRSbqpKJiCJ532F4BCrQKgC66mIsBS1pYnDa15fgYjxZFtxBrs7moGAFaxnYIdv9VmKQB
ZNbIXi440rcjAM8p1K0PGuWVpJwugnjiIZxQZ6CLRAr4ogLJMqhamWRu1RCKKWoE252cHcjn
esWFpZ18RPoVGztRNsikk5tx8mZBn9q1kTxWraK1bBWSaoAE+xK8wwwCrDMQmq6VsKGDAbSDC
F21ChuYHEqcGIMiJARh4gAEDHiSb7DuK0VrjgoDq2hqiA1ELJ0iTVphXsF1KgKyyynJ6p3ps
dMb0jNICKJq1k5EUV3t4mgkgA8WCyWbXfeaabmL9EdSrr2TlsgqrL9KrLAYIbnfgvo190dAA
zWFkpUZkYnDs08JKoCy66jG6JMe60gwAAAG2exJduWjsgQQYSMApJ+9IAPKw3eEp7YzN1aXR
xLpZqDKh+mYpZ8IdtwbybPICW0j0JRFAZnc/18kAAWujmuScndJMtGJ0usZuo1oBTaicxK4M
qbR4ymk0ujYj3aaEYbPMQNLc+6nswdPwacuWZnq5xhHPEs1Dprd0JxYNnx57mPbWVx+tbclg
i+Q0mZzue8jTeVWOZ+NKgmwA5NeONFX1a0+ZNRkAGrh11knudTnoJld2NN9VM5p1kumucSej
ScIuamWkI2fhGrofmReeph5CPHG67348dx0BfpFwu1e/uV7WL1kWvNZ3X/3z0P/90dsPr2L+
+asYgL751/nntMDme4/8kJrFKL5H5CuUP0GW0X0+0NjTTMQ2Ir27BEt5mvHd7zqiGpTIYxYI
TIwCoYOSCWakQ3yzoE8cuL+5VI4THYxdSCJEqgp6KE/RK8102CSXuIAEg33p1/1Igh//hAU7
9CEMnIZENkMVSgosN2wfr16UwwXS8EFrAYAGHwkbvnwNYCdpXxL9BZcl+gsxnpvIAQVDGrj4
xyD/OpETi2jElFQnN0IuiIVcVBaSOQRGVtwgTHZDFyRajQC5gJxv+BIakGzxhSVUomJaNxu1
vc1MSwrJHy1SgEY6sgALiGQkFSBjBTRqh5f0EsngUgCqYGLYitzIIXuJAema8pSoTGUKg4ek
AF0tYzclZUYgqcpa2hKVrBykrjhxAPH4UZSJLIASb0nMSB6ganvDUYkREEc5luSRxUS1AhBQ
Js5xDgEIoCQCGimSRWokm0BsZDRTKcy0mFMiAQEAIfkECQUAAAAAsAAAAAHKATgAHCPwAAQgc
SLCgwYMIIEypcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cwRcKK
SbNivpo4I97MyZPhzp5AD/4MS1Tg0KJBjYltqXRpzqZ0a0KNS1LegIVTqYq8ilWrSq4Ks3r9
SMDnWJQGzJ41CTah2Lub2yJ8CzejXKF1R8qTp7bogFWcAucyk0CuR8MG6er9G5gTgQF8Acg
LzKbyIXYmMrNdrJEzQcUgBxjgVLm05VWiTR/S1rm1trIgyXddKY9ALt04K+c6ZFpB69+vQzcE
3ZEA79ymKZfmxPp3a3aR0UIeTps0m00cjuM2oJ2NA+f7zmXHdUg8rvXrnAzsLo090Xjnd1a
Jb9yQK7Gx90vz276+/vfnkkU4Gf1nYcdJ7nkQkBjuLHT3H/aDPjQfPStZEBY6R1yn4bJsYPZ
fyYowJF4fV0kTy4SCnTigbwDoh1/lQX24XvaRIfRXhCVZ5BV9unG14nTWUJALY1yJ56uWU3
Y2baKGDak08+lMJCUXp10Sq6HXcIAQT4uJtjAw0AI3qW3ZYcGwY0x45yGBpAwJAPvanTRaSD
t8aBpY1W21VWMSCBBAhK4AGgZC6HpoFgiIfblnAyRGGoD0pW2Z2ALafDVQYI6gEGDHjg6aa8
mWkZmtwpihyYD00nkY77BQ2Q3yF3ssnGeZwMgIGnnH76KQOKKnCeqYu66aicE7HaamODbfhi
fp162qyuoCJ3IbCKHiIsQgM8ZpGxBE1W2hoIhluamZzc0ii0uv6aJ7XARjnAuWRAqapNGckD
WK18Acbicpv+iYgm0KpbmZ7sIqehv09uxG1DjG1nLQMGYPakuHLCNyaaA1/cbloeLezQk6oN
BuWfUCJpGYIuqtfdRLQKnFyVFYp0n6iL3sZbYCVhOFiSddJsKqoKjzTAqeuZuUasjYWrXhrb
DeZytSR5DFDri6HH3bqZeeii5zouwZusj75tK1bBj3SvQj6HJgBq7S9Si5tbw1ry0P7jg1s
2R1N3VDJ0bPctdtwJ7i1avnZTW0ujc5ZUrZ953YnnixqWaqSBS9KLEV6x9n4pFyPCe4ql1p2
825zV56ktsWmJM8soMstd9dab921yt1Z67rcRx9dcHqJh8XSu267rv7wb0sJb3ZfD9z67czD
mnxuGkL2bsKzUSUmF9a2nd3fq5Q8/fej4aeayYz67pVoW3P8fe/dfm/feTQj7tZZ9mbHsUYL
Iic/XmsJ2VFt0TNAozKX1x2tZzmXGwgBC1iQ2uAmF/xjoEe8tZy7LFCCB01SBRODwY+IaYMF
uWAHAfDBGfLwhB3p0Z44iEKNnCg5UR0hBG0Dth02kCJ173qSiyymmwjZAAFCIKIQF0DEIhrx

iEhEgBCFiBCrdG80GvrVIQwjw4Es8YpYDCICkMjFLnrxi0ncYZnGNxePbBGMaEyjGte4AASg
6TgEu879WmIRM7LxjnhcIwI0kJ6Sqa13VSyIHfNIyC9mcYk8ct8NaxIQACH5BAKFAAAAALAA
AAB5AE4ABWj8AAAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mix08ePIEOKHEmypMmT
KF0QxMmypcuXMEXCikmZyr6aOCPEzMMt4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWX
Vq+2zKrVozyfXVE0ABvW5NiFXMtqHPBVYVq1Gc8mfAv3o1yEdOtWvCtU70i+BvPS1AdYZGGC
g1k0WMUp1wJ27AYc9jjZaEx5BDhxYktQHic2bA4pMEGatILKa9G+xPwZNJvNAGcccs2utG1t
bU0iTswxs+vfbFYBaP3atnFtBAyrXinPwGzgvw38rm38dm6Pyd2ydA4d0HE2+9Sr12ane3nK
Abm6e3fNSXz17JTNi/0emjvoQ8+Lu7dNPr78kwPQF1oumr32Wy773YbaRPDNxRwnhxggIYGa
EZhLerSZoI02CubWEWFkqYQhaJpVaMCF7LGjTS7hicc0AfJcZ1dDvMU1W4SaHXJhhSk6cAiH
+7FDoAEwYsRZiCoxZt9rFx5S4GvSsegAguIp0JqTqxwpEYg0ZnSilg01J0F6h7zDQI10kggh
ma0Jd2IuBuTYmIxhLjhQjQNRSGKRDA1gAAySPCnBx5ggB9x+N0IZHUK5FciibnYKRBmEOEJ
gGwGkmiAZDGCORABEHaAqAaCEBprfb6K516h6+6710mBCBEh6p0WYQshGLjreJx1sBP1JKAak
lurBiNEpsChp2izJamh8HjRAsw9ZeimFjdka2n0HrJIbqKIKW6oEp6LkImRXLgttdtgcRRqdD
0g5E2CqvUbfZuitEqoE+AZbqoAHPmlud3BK9qwB60bbEW0xEkDsgKscgq8Bgobq7bw1Vhvu
vwdK601E7S4kmcKu4QdnnAYwg0/JglbsL8YyV2pRxwoJfCJ+LNdsM3CRagRzQt81BtqJFd8s
dHc66vwXthJKiCicJp8ItLwXD32uZBjtnBBhBEjIgAdnQrcyG2usEqfKUncHo6x4mZW0hFGf
a+19Yq9C4CFr+6whdaQbVwqgnwRi7CRxa+CXNGOJ4me3zZwAgN1YLneZEmP/iuxa4GLLhR6E
hduc86VsNf6fSYTNXeFzga05itx5yzP3oTXH0hCnBTvokp+6NiYwp2FSyzInDY717KTswiTD
rRjyGtH1GLv6FWFyUSqp1RQV2Pd9ni80vLkRxsWlKixx0nC5Ice0EKbL2n411c/DFKDYnBx+
n/gFqb6sjtUblD5MmTV5ai7wT7rwb5zYFEigtxfnE04321qI/Ly2KbRjHIAWyUy3Me/hATI
05HqX0YgaBF5zAJzFJQRYXrG0w1uhIN2wRXdWnW7ubGHYctBoZFAWD5opUSGbBjxIITcxx71
YQUp8mjYqQyAgAIY8YhINKIDKYJDiQzgiAuI4gIUcAAhOgkBUsyiFre4gCIakSPSSiIXx0jG
Mk4RAZpZhQLMyMyoImCDFilAG+dIxzzq28Y1Vu0gS98hH0dixj3MswBL90p0AAAAAh+QJJBQAA
ACwAAAAAeQB0AAcI/AABCBxIsKDBgwTKlZIsKHDhxAjSpxIsaLFixgzatzIsaPHjyBDihxJ
sqTJkyhTqlZJsQXLLzBFwopJs2K+mjgj3szJk+H0nkAP/gxKV0DQokGPIu2pdGn0pk5rQo0a
cyrVl1avtsyqdSXXrim/gj0pdmzJsmZHok0bci1bifJ8vhUpL65Ct3MhDliIN6/DvXeJyhtA
uDBglIcR9tVouDBBebk4HTrkwiQ2dgoG2DWZ20Dii5APsRk9+hCnVYNzkVZgonXrywQ2jyQQ
W0UA0aRzj861ejQn18BbK5AdsnPBzxQJ4Nadm1Nu1sGBJzDukfpA5HCdM9fdezS76PvBh4+0
bjQ1ge260Wn3Dj78+Non16Nnoz739/autRHvSB4A9oWDbdZdbgPWR9p9+LVmgGYfDQbfRpCp
Z4Bop8V1wHaHdGcgewkqF4usXHU38eaTcZgYNpp96KnBDgXIb2mYBge+yYyMmIDzn4oEa9
ZShfLgBcyNwhBhTJiZCjVWZAhzXmRuR+EtHGV0ayRbZiLgasB6JqR1rJopGk/cbJj0DJVxpq
FYU4ZUWEEbBK13EZZqBkuw1gQGSimUagkzVihl+T2904kZprTnQbfSquYtAAuSxHZJYUihYZ
ejU6cAiZrk04HxtS0hSgQ4udRx93+w2wSp4MY0ABA/u5MCCBanoyl6VzmMo44HarEJoQYVAm
FKqVy+0GpYsMeGBsqszZiWMBkwZbGhmiYamMmeocQUGRjhukKapq+fdjobqvwSLCxxkqgqrH1
3urkpa5h9u2mTlqLLYMULSbPm6cV5qJ6zLJ4yLkeSIDuwBLM16EB7LADKbzo5dJrvRyltpuX
EqqqqsADozttmKZpyvB8Dm/030Bv+rZcLnsZILDKDKicsQcb18ZizB+zgWZGIwvk5aSkVWtA
sSoXiTG6GARimoR01swwJw9D1DMag+0lZ75JfyiBBEJfrbWXRKp9NdshHzR0wiVDPbZa0+G
EdkFMdp1cyumLTd6ivtaxDZBA5Tm8agzf4m1kX0HfsgahK/B7BpK1w1xSPLQeTC/DJs2Y0GF
M2v55YcjDm+nEt3ddpGgM2z4qT1jfvkqqKe0eteoc6I5tTgqdtLUWaJnu0QmTpb6aasT4Htj
iw5AwACz0HxI7J6p10Kp1p+GZf0rGCCvYwW0kDSBnG/LUtSNWQu69PTy52K8nfs1UYo9Zy+X
+ecT0BvKTrNf0b2jGdD0cflPz+Wcdo7o0Ub3K84qdiMa/wH1UymRB5LoY8Cg6GgggA1gRRZo
gPWRZAAfYKAGN1gAhRAGgsP7oEcUmBsc/Q8ABViAC1fIwhayEAEHKUxdxMU9fV1kfIbPAPIF
PZJCF/rwh0A8gAE0gAAEFakBHNQgQtrEib+F0Eh5u1mhMqJBIFrxixUAAK0iIADKGABRSwi
EBXAGyvxZ1Ni22FFeojFNrqrRhUIk4hfDGMVYqqY3NKOP+nY0ETa+8Y9uVIAgi/jFFYYRijzb
Thq1d5EqAvKRkMwiEmfVtwX1DykBAQAh+QJJBQAAACwAAAAAeQB0AAcI/AABCBxIsKDBgwTKlZIsKHDhxAjSpxIsaLFixgzatzIsaPHjyBDihxJsqTJkyhTqlZJsQXLLzBFwopJs2K+mjgj3szJk+H0nkAP/gxKV0DQokGPIu2pdGn0pk5rQo0acyrVl1avtsyqdSXXrim/gj0pdmzJsmZHok0bci3bj27fdowrDyPduhnv4nU4QJ7QvSMH/AUcksBgnAMSCxYoT7Hj1X0N6t3Y0Beny5cN

GEis+RCbz585rfKLcjHByRjlGeAEujUbTgZyeXYN+pDhk6YHorZIGDXt0LJ/086FW3JLAoc0
cbLs0lcu14dysZt0nfrtxgRWLYeQ+2J3APu7JVbGzCm67+iz2RxyoM2E+/fwtREgEBx6rtsX
8etmSQC05v+xGZDeIezAZyB8CggH2n0YfReeRP8xx4Zm5fmmngIHZmgC0wrWpt9EDpLUGGkA
yEOABBIw8BoDEshW32c0aJghhx1+Z1tF8pC4n0g5EnSiB0BiwAAGQT5XHycKsINZgTlSWCmb
uegI0XfgBeYjkUA0CeSWKiYX2mvSMamhNs/9t1p6nFDZEJUPHpSbPBJSiUGcWwIpAW3kJTnm
i7Qph9l9iUWkZpsG5UZAnQzUueWdeP7ZHnzTWfhkcw81hhChBS02wI9B0qkoo83pGR87CvDZ
aHm/EdeQifsJYUpQYszRKQEGcyrrqgYrCLTedApd9+RtmCorG14cFodZYZAXFtqAHEhjAgGa2
SvpbdK6h2lquvWrGHbIHesTRcc6B1xuZYbGIOcK4jotbNa2p1wusZVbG2arRGfAtgd+91hD
dMmG7byrrDKAdurBZtkhLCIqLXCmpprea/YeHB2xX/XL2mWe+RmaZs+u5m6idr7z8LsYB1ue
xjay5lxyyXFCccXgOgZrhco56wEGBvSJ2cPLLXztcgGzXK+Nz515pstwbSTpIQDKm6uE0GWW
yyonB3xyzgVdZLJoL2P0IIXsWqZdr7Nhpt3DKRsQcL2iRSi0n5ZhLDQBI/t69KDKnjldMHkZ
h3bZ1PCe3DK8pg1Qtd/1bp2LaXVza9Hdr6mHtrTLxS34IasIiHnm3B1EtZ89D460QDJ3LdGD
8iyXt2fkHfyZgJ+t0XLm+qo5UNAs577dvq9qh0mIsKZMt8wyMwZR4rkntzhDdHs90rGmVzRA
vWtULZtsUhbkre0PudptYt5mhPW1BpDWIwAy++VY9hB5/330EKXummbmF1+iYgSdP5H7hfaV
WG+Lc5x5D5CGviSFkfVLKkaX2d5LrL0czz7nR8dzVPL6sbyDca5VKBhC5DkqQISaaJW3YNxH9
dW+Dh1gDJ1QIGK6Q8FX1S1NHTMgvlciDbZ2i8RKUFgKico2mKivpDc10+DLVeI1BN0GfQgYg
Gz95CXNv6g3RXuiVljSGbYlbw96AFZoKSgUkBQhjARCwgDKa8YwLQAACPpccLQ7nAGKMoxwz
mLSNDICMaMyjHsuIgM600Y0QVMAeB2lG0dqNI4RM5BkVoEYETC0zCBCKIidZgLLwZABinKQm
N6lJBFTSkoGRoyjlyMlSppEwcgkIACH5BAkFAAAALAAAAAB5AE4ABwj8AAEIHeiwoMGDCBMq
XMiwocOHECNKnEixosWLGDNq3Mixo8ePIEOKHEmymMtkF0qXMmypcuXMEXCikmzYr6a0CPe
zMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1JdeuKb+CPS12bMmyZkei
TRtyLduPbt92jFtQnlybFwcYtHu3Id2Begk0CNx34V+BhOU1LqzWMAAD8hQTyMWpsmUDg/ky
BuDYgIFchzixGU16d0hcBAarXq25K13Vng1wAm16duVDpX0TPk2YK1rFsnHntsXJu07jujn1
XvpVsYTnEigTDy0a0RvLCthp386dXa5V+8tfttha6cIAEDB48YGBwPn16DLirD3fATpuJ+/jz
69cGuSYBwwnJwwB66rXn3oGiycfGIbmwo9+DEN6nQHgtUUGQVAQ06AF7B3bogWjGjUZcZdpF
+CA7Fqo0wHgGHAXYAARiIIGHHWKg4G4jVmafi fgpw0JKivkE2CqznWfAczQeiEEu1onoAI/5
aa0AAan9mNJ/Pg1GAG4MSsDAGAwcmaQEN5LGCQGWbbbjg9poV5lpoVHZEGFWFpRPbNJV1s6G
nmnoHgbvhDicAfi12SZ3aTY524ooqeZQPuiFWdoOGFTqoQTv1F1aLp7leVuTTTKYGknyEEDn
Q3d2m1s0+wy49xwDxVnHSaeCgmqraZxiVqdFqawI0J2UHUddrLkNa1kuTN6qrLC5UpnZQEFC
JNlgE+Vz3Wc5ZjvdcMku621ph/Qn0IurlavlagQ4y6hF+VRX67ezfStvaadWReyCiX6L7Lzz
MrgrWdfrLssAs6xi8MEHNxtbr6qt8i6zxR0i8cSHrGFxkwbYuwoAimk2WMEIH/zsQaXeGyp1
FKc88Rq6HYK1S/n869Bgnob2cMue9ZquAQZH/G4uMovkmGIogysv0CQP8BmRgrocNEiHDRax
uNrmqFsuDJXKNLhYs/TX1tdtqrSV5pbrEHA3vhxWRdW17atHA9BmmtPKy1UkXa8soSncIW/D
xdZku/U911vydMvJ2m+h0TdKjuFkgJnrktR4TQMY951Jk9ckX2iY90WkmZ3fFTfoZ/WluIih
0zSyRIWXtnHpFfJF7ULk9gYcuIJn1P1Eg2Wcomp64xqbqvTWjVgByCevPAILN0/889BHL33z
CiCAwAEIAJ98aqApy0DNbLy0+fTk129++cw7X731CiyQYGma7ka350fXbz/66UePAKfE5dp/
ZQNTST7uR8AC1k95B0jPi7xmwAaiD3mbiSBIAGIAIfkECQUAAAAAsAAAAAHkATgAHCPwAAQgc
SLCgwYMIIEypcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pcybK1y5cwRcKK
SbNivpo4I97MyZPhzp5AD/4MS1Tg0KJBjyLtqXRpzqZ0a0KNGnMq1ZdWr7bMqnU1164pv4I9
KXZsybJmR6JNG3It249u33aMK3fjV3kD8uqtmzGf3lWcAgsWfIiN4c0D0a3ay9dhvs0QI7NJ
TDkwYk55Gyt8z0bQYHagQ5sYTbo06dDsHHDK1UueZqGgtZmeTbs2aW0Kcr02mM+279+3Fewu
2Bu48dLa2CUYMJz4ce0gMzfn/dw0asbTERZPjhq16lZ7BsKHP6i3vF4C4gcQIOBabr7AhSVL
9ixYfHrz2AfKW59XPIHyV3Em34Dz5fJfexThZr6CRQ1I4I0RBbYYcxeVZWCAPDkI4YaQSTgA
gxZ9CAB+IrkIYcoGkbfhCApaB5FeYHoU4o0EhhYjADIE55g/2lE4o8vTpTPIUQWaeSRSBa5
xpJr0EeZfINF5tliMgKVzypYYgnk1kEaRCJhNiqGo5UvmcdJfP0JmWF0eZ0ZZokw0UXSfpw8
eMhicRY1QC4RRrYKVksNUGdnkw1q2CpVmiRnSvKcSWRnbqr4p1dUyeNZfJ4ddkia13VaKaG
GTppWF2pZWb8BATGnkqYi8KkV3t4cQpSqz2NeRZf+7kWK4Ui0UpTidIxx+uscqmHIIXC9srX
q/K0Jx2xmuH134cUymqTZnshixe0r6mX16rcYivQsHDt1uy2nXYLZ68Ft0vuu/DGW0B2ji1g

77345qvvvvfCS65m+fAr8MAEF2ywwgjQFPDBDDfscL/uKvzwxPn0y9fCFB+MQMSvYTyxv03S
K/JJAQEAIfkECQUAAAAAAsAAAAAHKATgAHCPwAAQgcSLCgwYMIeypcyLChw4cQI0qcSLGixYsY
M2rcyLGjx48gQ4ocSbKkyZMoU6pcybKly5cwRcKKSbNivpo4I97MyZPhzp5AD/4MSlTg0KJB
jyLtqXRpzqZ0a0KNGnMq1ZdW1r7bMqnU1164pv4I9KXZsybJmR6JNG3It249u33aMK3cj3boZ
7+K9qHevTb8q+wKWKHgwxMKGHSJ07JPxWcck8w2YPFneQXmTOXFaBflwZcyUDRiYvIoTm9Ns
cgEATbn15M5GLw8ofVozp1yiNRsg4HrA6t69LdfNZ1t3Ls2HimtGffqQ74msB/B+3RDz7+cu
iRdnzr37Ic6/HV0LL7hg2wJ227axIzDea0Hpp10LNqB8QH0u1guy23+if/8E2V2WC3eaYbfs
A0z0t42C7CxgwH0oTTXAIcxAiFK8ux3nn/+bWNghAqBttmFKiWwIIMnbJMAiZfPfv11AcIG
0mIyFkrjJQPDicMA0uLYY40/yhgkbEN2ViRkRzqWJGNLJtakYU80FiVgU/pv5V5X4pX1cAV0
6eW0fC0g5phkkoAmA3lU+aaY56J5kJqlun1l2+mWwded+YJU0AAIfkECQUAAAAAAsAAAAAHKa
TgAHCPwAAQgcSLCgwYMIeypcyLChw4cQI0qcSLGixYsYM2rcyLGjx48gQ4ocSbKkyZMoU6pc
ybKly5cwRcKKSbNivpo4I97MyZPhzp5AD/4MSlTg0KJBjyLtqXRpzqZ0a0KNGnMq1ZdW1r7bM
qnU1164pv4I9KXZsybJmR6JNG3It249u33aMK3cj3boZ7+K9qHevTb8q+wKWKHgwxMKGHSJ0
7LPrgMcA5CVgN0Aey8Um5bE7cWIBgQWcT2xL4DWmvMoKJBMDzXnBZnbb0G+zHNa1PAIJYs9G
0CD2ic2hdbt04DlWswTbXMNeM0BggtDQq7MjsG11ddIoMUc0AJyzgea6BQdEHx99NeXslg1w
37yANsHu5KGzg53g0fqWwKe7J/g8Pv1tsSFwH0unoYaQZqv5F9x87BgwYFDy+KagaL7d8iBQ
/U3IGXDgmaTdR+JpKN9+JH34UXfwjbeNhbUhdJdkJBmQYX4dkRTVAiqERQF9pUeUW3WgrbnPZ
VarNZ6BLJjJmUJJKEsRkk0ZBKdKTUFLZpJVKYsmYl0lxaZiXg4EJmJh+kbmXmXihWZeacrH5
lptswZmWnFLWCVFAACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIHEiwoMGDCBMqXMiwoC0HECNK
nEixosWLGDNq3Mixo8ePIEOKHEmyPMTKFOqXmMypcuXMEXCikmzYr6a0CPezMmT4c6eQA/+
DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWxVq+2zKp1JdeuKb+CPSl2bMmyZkeiTRtyLduPbt92
jCt3I926Ge/ivah3r02/KvuilJeaHbsE8qQ6lbfthOMTCQZITuxScEnGjx0XdrwtQeWWhbdR
RihvALvMjtk1fuyZpWwKp090Pki4sWrUuNkNcN1SHrsFC3YXxIy7eGrIBgKrFL4wgfHnxw0j
Nvnaoe8TC3T7ZkdAN8HY9dCLr9ZM/STxxwQaLyAv0Hn498HPngTP2XBm0QIJv3+ePXXrtv0h
Nl5mzJ1A337G4QdgSQMgyNw2ECIInYIgvbFqQkmdp2ExgFHwGgVmtTgYwNypuCIHD7334IM
NrbNepmxcwtBKKZY3IohmifZg0wcFJqNBp42G0kWPkTYyQ0A0FCNKRrnmXw9uQcka+VFmaCE
PULJk28DbmPflY+xoySLPZUm2QAGuCiEPnk9WeViJco2HW9UHSldklgBFpaeKBXJp0J+/o1Q
oIIaRGihBB2KqFGLiQTooo8iGmmhkwa6Z+X8pmpnpsC1qlfn+4Vaq0kWhQQACH5BAkFAAAA
LAAAAAB5AE4ABWj8AAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mixo8ePIEOKHEmy
PMTKFOqXmMypcuXMEXCikmzYr6a0CPezMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpz
KtWxVq+2zKp1JdeuKb+CPSl2bMmyZkeiTRtyLduPbt92jCt3I926Ge/ivah3r82oAwYakDeA
XQKafU3KY3eCHbttJxoHhpk4pLwEjglE3sz5xGGXlSsGZifPoDzIkVF33rzNwGSvLQc0PiGY
40nVuDcvYIy5NtmWt7cZZJy7e0rIn02Gbki49MDFzgkSN07dcYLoIpcvvJ1gQPIE++BJD5x0
vTjxBb7blrw9e5s8A45PGNjmXiABA+Wlb9PseVt6uCSxxp9qwkmlW376qdaYWiQdiBt57Ajk
IILlRZhdSeQZZ8BgC1CY338eaZdQAgOWdwsAE3r4oAHYAUhShiYCAKOKq9Wn3osVyoFiCSXS
2BmIHImIUAKbxVfjhww+5iNuNoIk5EGL0VYYa5s1N+OSyDGY0nTsB0ZbilgW2WKIKmFm2Jgy
htmYY12exZ0APlr425sEGKlik272BGd1BCAQGJoXAKVkJZfDWCVpQhI3WGXl4qvSkR5gR0pp1
gM651GtP+eWopmFxitKjngoVqnKj51llqoKfemKqTF6uq2upcr7oYa5Czw1qrXbfimuuuNQUE
ACH5BAkFAAAALAAAAAB5AE4ABWj8AAEIHEiwoMGDCBMqXMiwoC0HECNKnEixosWLGDNq3Mix
o8ePIEOKHEmyPMTKFOqXmMypcuXMEXCikmzYr6a0CPezMmT4c6eQA/+DEpU4NCiQY8i7a10
ac6mTmtCjRpzKtWxVq+2zKp1JdeuKb+CPSl2bMmyZkeiTRtyLduPbt92jCt3I12S8gYmKIfo
7sgBBm4hGFDUir8gEJxLf0rGNXQKmPeVtS0yZMuGnLAMbQMiusmd2C+URSICA7EoDC9g5Pth4
MmXXJxYiPsFum0nDFAdQBm1QNwzG1BU06AzcnKncE4czvkwQs0fnqw3eUv36sdqWAwj0ZT5w
cWxv+7utF/zNmADfti4vyzspGLDnWwDInxAvcID8+SKRQzTAuL5m5u55dh9vAxFA3Gf5nTSZ
arUBYAA7C9C2GQAExpFcc9vQB8CBCKJX0mILREgbANNNFmF9At332gIGzYZhgiUxduA2t6Cm
2ontEWRAY4mV1h57zfH33nU18ZjYZPAJecKE7UVonGjZ6ZVQXgmKdsst3IGkX0MuSjiliIkx
6VCUWwP5kjjwHs1NjQrtN9pA8CUh5G0p5GWAagg2IOBFtnDcGZWmNAwnimPLQtuE2eKdLWX2ii
beMagUSe5B51Vhqu1wALwLfQgxj6GKmkStKmKUIDJ0AaohteuE2ZmHcTNAACwGLYkHMQQl1jh

eLX9tk2gZq4EpwGsDmTqbqJmaWhlq54V1DZgApeYrMw+1+0n0XHY4azyKGnAescFRVtqArLD
KwBUCraXskDtKF+DU547Z1AP0vodZkTtWNUVkCG13a301uWVvyxtCTBEAg/sUMEG+5QwSggv
nFDDDgsVMboTC1pxrxdjnLFHEG/cccYfbyyyRwEBACH5BAkFAAAALAAAAAB5AE4ABwj8AAEI
HEiwoMGDCBMqXMiwoc0HECNKnEixosWLGDNq3Mixo8ePIE0KHEmymMmTKFOqXmmypcuXMEXC
ikmzYr6a0CPezMmT4c6eQA/+DEpU4NCiQY8i7a10ac6mTmtCjRpzKtWXVq+2zKp1JdeuKb+C
PS12bMmyZkeiTRtyLduPbt92jCt3I926Ge/ivaJ35IAB8oD2Hb1tW4IT2wYAKLfghAGpLuUN
IBDY4K0F7E5o1lw4M2SWBthtW3xww0bTmjPfYiiZ50CKJxqzQ5gZ9eZtJ1YfJAB4AALRa1t2
XoBQHgHbiDM/Ll34+A12ukG+rnrjseTKBAdsYwedM4AE+8sPLsCN+3l0uDEzb8M+kHdg3I8B
J7x8erbI6Q4NaE7Afvxz9ospdot3ACiW0GGb2dcWSttllgBBow2HwG76nZDAXwAWJfKc42U4
F0rs6LfdaAPJw51CBpzHkHwGLngSgrWR1FpwJ8kjzy3KyYwfQ9fhTeNeD/0oUYofeShdZA1u
VKEBLdK40gCixbZQjwshuJ9JQj6kGG4PJmTjYkY0xF15Cjr55GRhFqhe1w1xVxsBWCL1W2Pr
LXQLAn+RhRRjrmzVJU5YemcjdH85VV54ny1VHVNAqgRoowk9Cq1Qk+pZ6VmXYpqpmZui16mL
n3oaqkeSdlrqpqdmuq1DqtW2uqkr0Ia66i0VhQQACH5BAkFAAAAI7vVGHpcyBHSUYgZmls
ZSB3YXMgYXNzZW1ibGVkIHdpdGggR0lGIENvbnN0cnVjdGlubiBTZXQgZnJvbToNCg0KQWxj
aGVteSBNaW5kd29ya3MgSW5jLg0KUC5PLiBcb3ggNTAwDQpCZWV0b24sIE9udGFyaW8NCkww
RyAxQTANCKNBTKFEQS4NCg0KVGHpcyBjb21tZW50IGJsb2NrIHdpbGwgbm90IGFwcGVhciBp
biBmaWxlcYBjcmVhdGVkIHdpdGggYSByZWdpc3RlcmVkiHJlcnNpb24gb2YgR0lGIENvbnN0
cnVjdGlubiBTZXQA0w==

-----58CFB748025D8DC0B7A1E21C--

-----3B8738E4D23CAE3FB10F99CA--

Date: Wed, 04 Feb 1998 15:21:49 -0700
From: Jess_Gypin@coralsys.com (Jess Gypin)
To: Chris Cartwright <ccart@dns.vidtel.com>, qrp-1@Lehigh.EDU
Subject: [2988] Re: Test DO NOT READ!
Message-ID: <34D8E9FC.437B5FF@coralsys.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris Cartwright wrote:

> On Wed, 4 Feb 1998, Jess Gypin wrote:
>
> Yer gonna take some heat from the digesters on that one, 100K, phew!
> Personally I don't care, ME -> T1 -> Nuttin' but net :) 72 es gl
>
> > [Image]Oh NO! It's Email from Jess!
> >
> > --
> > Jess Gypin <><
> > Coral Systems Technical Support
> > Longmont CO

```
> > jgypin@coralsys.com
> >
> >
>
> -- Chris Cartwright,   Technical Engineer   |
> ccart@vidtel.com       --
> -- N3XRV      ARRL-VE   QRP WAS 28/13(w/c)   |
> http://dns.vidtel.com/~ccart --
> -- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW
> #5 --
```

My deepest apologies to the list! I hit the wrong address button! SORRY
SORRY SORRY!

--
Jess Gypin <><
Coral Systems Technical Support
Longmont CO
jgypin@coralsys.com

Date: Wed, 04 Feb 1998 16:29:07 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-l@Lehigh.EDU
Subject: [2989] DX Manager - Help HC5C
Message-ID: <34D8EBB3.EAA04EA2@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For some reason, I have been listed by someone on some DX thingie
as the QSL manager for HC5C.

Do any of you DX folks know who the real person is, and if you
have seen my call somewhere about this, let me know that too,
so I can straighten them out.

Thanks!!

Tim W5FN

Date: Wed, 04 Feb 1998 22:36:56 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Cc: ku7y@sage.dri.edu
Subject: [2990] Sprint, FYBO, Foxes and Snow
Message-ID: <3.0.16.19980204223650.305fcb30@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I only had to play musician Tuesday night this week, so I thinks to myself, "Yes! I will be home to work both foxes this week!". And FYBO and NA Sprint are this weekend, and the trusty antenna system is ready to go.

Then nature slaps me in the forehead, just to get my attention.

The weather forcast for Tuesday night was for a skiff of snow (yep, those were his exact words - skiff). Wednesday morning, I crawl out of bed, make my way to the coffee maker (my morning ritual). Looking out the window, I notice that the "skiff" somehow became 14 inches of snow, and the wind is winding up to around 25 mph or so. Ok, I'll go with it... just call in, cancel
a few appointments, read my SPRAT reprints, and listen to the radio.

Then I casually glance over at the vertical array. Hmm... either I have developed
a sink hole in the yard, or the North vertical has lost 6' off the top. And look
over there! I have a new vertical sprouting out of the snow.

So I'm a little resonance-challenged. 40m is a bust. I'll have to use the indoor
dipole for that band. The nice thing about it is that I now have a resonant vertical for 30m. Always look on the bright side.

The power has been on now for 3 whole hours... gee. It only took me a day to write this, in between outages.

See you in the fox hunts this week, and FYBO & NA Sprint this weekend... I hope.

zut y'all...
Rich

Date: Wed, 4 Feb 1998 15:00:54 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: Bill Crowley <bcrow@carte.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2991] Re: WinterFest '98
Message-ID: <Pine.BSF.3.96.980204145236.26670A-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bill,

FB on Winterfest. I've never heard of Kits & Pieces and a cursory search on the Web doesn't offer any further info. Can you elaborate on their offerings?

73,
Bob - W3CD

On Wed, 4 Feb 1998, Bill Crowley wrote:

>
> Lots of good stuff, including products from Kits & Pieces (neato qrp
> automatic antenna tuners),

Date: Wed, 04 Feb 1998 23:09:14 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [2992] Mixed Emotions for FYBO
Message-ID: <34D8F519.3991@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With all this rain here in Nor. Cal. I'm unsure how my FYBO activities are going to pan out. I hope the Folded Bazooka stays up in the trees.

At this rate the contest will have to be renamed: "FYOB"

Find Your Own Boat!

And I can use my "Flooded Bazooka"!

Well? It "Feels" like Friday....

-Ed :^) Lots-O-LaughS, rolling on the floor, and temporarily dry.

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.

72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 04 Feb 1998 18:47:48 -0500

From: "Buck, Preston D" <BuckPD@corning.com>

To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>

Subject: [2993] FOX: N/T+ Fox Thurs night (local) NOGLM

Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EC6D@SILVER.CORNING.COM>

Content-Return: allowed

Mime-Version: 1.0

Content-Type: text/plain

Greetings All,

Just a reminder that I am the N/T fox thursday night from 1900-2100
Eastern Time, also known as 6 Feb 98 0000-0200 UTC.

Look for me around 7.14MHz (depending on QRM) and about 10 wpm. I will
be using the Yeasu 757GX at 5 W feeding the G5RV at 20ft.

There is also a fox (Duffey) in the general band so don't forget either
of us.

Different subject:

FYBO - The weather guy is calling for sunny weather Saturday with the
high about 32 degrees. Pinnacle State Park is at 2200ft ASL and the
highest spot for miles. The park closes at dark but NY park rangers
don't work on weekends. So, when the NA sprint starts QRMing you, slide
on up to the novice band. We keep some RF thawed out for you.

73

Preston, n0g1m, Southern NY State

End of QRP-L Digest 991

